

SDR member	Uniprot identifier	Uniprot Description	Unigene	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Seq len	Pfam	Type
SDR1E1-1	sp Q14376 GALE_HUMAN	UDP-glucose 4-epimerase	Hs.632380	ENSG00000117308	ENSP00000363621	ENST00000374497	348	PF01370	E
SDR1E1-2	tr Q38G75 Q38G75_HUMAN	UDP galactose 4-epimerase	Hs.632380				348	PF01370	E
SDR1E1-3	tr B3KQ39 B3KQ39_HUMAN	cDNA FLJ32740 fis, clone TESTI2001339, highly similar to UDP-GLUCOSE 4-EPIMERASE (EC 5.1.3.2)	Hs.632380				274	PF01370	E
SDR1E1-4	tr Q5QPP4 Q5QPP4_HUMAN	UDP-galactose-4-epimerase	Hs.632380	ENSG00000117308	ENSP00000398585	ENST00000429356	239	PF01370	E
SDR1E1-5	tr Q5QPP3 Q5QPP3_HUMAN	UDP-galactose-4-epimerase	Hs.632380	ENSG00000117308	ENSP00000414719	ENST00000418277	227	PF01370	E
SDR1E1-6	tr Q5QPP2 Q5QPP2_HUMAN	UDP-galactose-4-epimerase	Hs.632380	ENSG00000117308	ENSP00000393359	ENST00000425913	195	PF01370	E
SDR1E1-7	tr Q5QPP1 Q5QPP1_HUMAN	UDP-galactose-4-epimerase	Hs.632380	ENSG00000117308	ENSP00000398257	ENST00000445705	194	PF01370	E
SDR1E1-8	tr Q5QPP9 Q5QPP9_HUMAN	UDP-galactose-4-epimerase	Hs.632380	ENSG00000117308	ENSP00000397045	ENST00000456977	108	PF01370	
SDR1E1-11	tr E9PH43 E9PH43_HUMAN	UDP-glucose 4-epimerase		ENSG00000117308	ENSP00000363622	ENST00000374498	258	PF01370	E
SDR2E1-1	sp O95455 TGDS_HUMAN	dTDP-D-glucose 4,6-dehydratase	Hs.12393	ENSG0000088451	ENSP00000261296	ENST00000261296	350	PF01370	E
SDR2E1-2	tr Q2TU31 Q2TU31_HUMAN	Growth-inhibiting protein 21	Hs.12393				350	PF01370	E
SDR2E1-3	tr Q05DQ3 Q05DQ3_HUMAN	TGDS protein	Hs.12393				316	PF01370	E
SDR3E1-1	sp O60547 GMDS_HUMAN	GDP-mannose 4,6 dehydratase	Hs.144496	ENSG00000112699	ENSP00000370194	ENST00000380815	372	PF01370	E
SDR3E1-2	tr B2R9X3 B2R9X3_HUMAN	cDNA, FLJ94599, highly similar to Homo sapiens GDP-mannose 4,6-dehydratase (GMDS), mRNA	Hs.144496				372	PF01370	E
SDR3E1-3	tr Q5TGM9 Q5TGM9_HUMAN	GDP-mannose 4,6-dehydratase	Hs.144496				114		
SDR3E1-4	tr E9PI88 E9PI88_HUMAN	GDP-mannose 4,6 dehydratase	Hs.144496	ENSG00000112699	ENSP00000436726	ENST00000530927	342	PF01370	E
SDR4E1-1	sp Q13630 FCL_HUMAN	GDP-L-fucose synthase	Hs.404119	ENSG00000104522	ENSP00000398803 ENSP00000435386	ENST00000425753 ENST00000529064	321	PF01370	E
SDR4E1-3	tr B3KU96 B3KU96_HUMAN	cDNA FLJ39433 fis, clone PROST2004142, highly similar to GDP-L-fucose synthetase (EC 1.1.1.271)	Hs.404119				161	PF01370	
SDR4E1-4	tr B4DZW9 B4DZW9_HUMAN	cDNA FLJ57685, highly similar to GDP-L-fucose synthetase (EC 1.1.1.271)	Hs.404119				178	PF01370	
SDR4E1-6	tr E9PKL9 E9PKL9_HUMAN	GDP-L-fucose synthase		ENSG00000104522	ENSP00000431587	ENST00000529048	268	PF01370	E
SDR4E1-7	tr E9PP14 E9PP14_HUMAN	GDP-L-fucose synthase		ENSG00000104522	ENSP00000437012	ENST00000533817	198	PF01370	E
SDR5C1-1	sp Q99714 HCD2_HUMAN	3-hydroxyacyl-CoA dehydrogenase type-2	Hs.171280	ENSG00000072506	ENSP00000168216 ENSP00000364453	ENST00000168216 ENST00000375304	261	PF00106	C
SDR5C1-2	tr Q6IBS9 Q6IBS9_HUMAN	HADH2 protein	Hs.171280				261	PF00106	C
SDR5C1-4	tr Q5H928 Q5H928_HUMAN	3-hydroxyacyl-CoA dehydrogenase type-2	Hs.171280	ENSG00000072506	ENSP00000364447	ENST00000375298	169	PF00106	
SDR6E1-1	sp Q8NBZ7 UXS1_HUMAN	UDP-glucuronic acid decarboxylase 1	Hs.469561	ENSG00000115652	ENSP00000283148 ENSP00000387096 ENSP00000387019	ENST00000283148 ENST00000409032 ENST00000409501	420	PF01370	E
SDR6E1-2	tr A8K3Q3 A8K3Q3_HUMAN	cDNA FLJ78230	Hs.469561				425	PF01370	E
SDR6E1-3	tr B3KV61 B3KV61_HUMAN	UDP-glucuronate decarboxylase 1, isoform CRA_a	Hs.469561	ENSG00000115652	ENSP00000438265	ENST00000540130	363	PF01370	E
SDR6E1-6	tr B4E3U7 B4E3U7_HUMAN	UDP-glucuronic acid decarboxylase 1	Hs.469561	ENSG00000115652	ENSP00000394334	ENST00000428048	185	PF01370	

Human SDR enzymes

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SDR6E1-7	tr Q8ND26 Q8ND26_HUMAN	Putative uncharacterized protein DKFZp434L1215	Hs.469561				78		
SDR6E1-9	tr C9JW33 C9JW33_HUMAN	UDP-glucuronic acid decarboxylase 1		ENSG00000115652	ENSP00000399316	ENST00000457835	190	PF01370	E
SDR6E1-10	tr C9JFU6 C9JFU6_HUMAN	UDP-glucuronic acid decarboxylase 1		ENSG00000115652	ENSP00000404468	ENST00000444193	121	PF01370	U
SDR6E1-11	tr C9JCB7 C9JCB7_HUMAN	UDP-glucuronic acid decarboxylase 1		ENSG00000115652	ENSP00000403612	ENST00000416298	134	PF01370	U
SDR6E1-12	tr C9JE50 C9JE50_HUMAN	UDP-glucuronic acid decarboxylase 1		ENSG00000115652	ENSP00000416656	ENST00000441952	171	PF01370	U
SDR7C1-1	sp Q8TC12 RDH11_HUMAN	Retinol dehydrogenase 11	Hs.719925	ENSG00000072042	ENSP00000370750 ENSP00000452079	ENST00000381346 ENST00000553384	318	PF00106	C
SDR7C1-4	tr Q0QD40 Q0QD40_HUMAN	Retinol dehydrogenase 11	Hs.719925				171	PF00106	
SDR7C1-5	tr B3KQ19 B3KQ19_HUMAN	Retinol dehydrogenase 11 (All-trans and 9-cis), isoform CRA_a	Hs.719925				188		U
SDR7C1-6	tr H0YJ46 H0YJ46_HUMAN	Retinol dehydrogenase 11		ENSG00000072042	ENSP00000450802	ENST00000554035	204	PF00106	U
SDR7C1-7	tr G3V2G6 G3V2G6_HUMAN	Retinol dehydrogenase 11		ENSG00000072042	ENSP00000450651	ENST00000557273	178		U
SDR7C1-8	tr G3V234 G3V234_HUMAN	Retinol dehydrogenase 11		ENSG00000072042	ENSP00000450435	ENST00000557726	187	PF00106	U
SDR7C1-9	tr B4DDW0 B4DDW0_HUMAN	Retinol dehydrogenase 11	Hs.719925	ENSG00000072042	ENSP00000416395	ENST00000428130	248	PF00106	U
SDR7C2-1	sp Q96NR8 RDH12_HUMAN	Retinol dehydrogenase 12	Hs.415322	ENSG00000139988	ENSP00000267502 ENSP00000438715 ENSP00000449079	ENST00000267502 ENST00000539142 ENST00000551171	316	PF00106	C
SDR7C3-1	sp Q8NBN7 RDH13_HUMAN	Retinol dehydrogenase 13	Hs.327631	ENSG00000160439 ENSG00000261975 ENSG00000262348 ENSG00000262110 ENSG00000262982 ENSG00000262244 ENSG00000262163 ENSG00000263258 ENSG00000262207	ENSP00000379547 ENSP00000391121 ENSP00000461020 ENSP00000461598 ENSP00000459071 ENSP00000461544 ENSP00000459764 ENSP00000460719 ENSP00000460614 ENSP00000458197 ENSP00000460159 ENSP00000459082 ENSP00000458148 ENSP00000459463 ENSP00000459453 ENSP00000460561 ENSP00000458820 ENSP00000461889	ENST00000396247 ENST00000415061 ENST00000570715 ENST00000571734 ENST00000571859 ENST00000571931 ENST00000573082 ENST00000573119 ENST00000573147 ENST00000573612 ENST00000573777 ENST00000574168 ENST00000574209 ENST00000574452 ENST00000574820 ENST00000575737 ENST00000576043 ENST00000576188	331	PF00106	C
SDR7C3-2	tr B2RDH1 B2RDH1_HUMAN	cDNA, FLJ96605, highly similar to Homo sapiens retinol dehydrogenase 13 (all-trans and 9-cis) (RDH13), mRNA	Hs.327631				260	PF00106	C
SDR7C3-3	tr A8K6B4 A8K6B4_HUMAN	cDNA FLJ77723	Hs.327631				220	PF00106	C

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SDR7C3-4	tr B3KVA3 B3KVA3_HUMAN	cDNA FLJ16300 fis, clone PLACE7000167, highly similar to Retinol dehydrogenase 13 (EC 1.1.1.-)	Hs.327631				220	PF00106	C
SDR7C3-6	tr G8JLA1 G8JLA1_HUMAN	Retinol dehydrogenase 13		ENSG00000160439	ENSP00000291892	ENST00000291892	220	PF00106	C
SDR7C4-1	sp Q9HBH5 RDH14_HUMAN	Retinol dehydrogenase 14	Hs.288880	ENSG00000240857	ENSP00000370648	ENST00000381249	336	PF00106	C
SDR7C4-2	tr Q53RX3 Q53RX3_HUMAN	Putative uncharacterized protein RDH14	Hs.288880				336	PF00106	C
SDR7C4-3	tr C9J2C7 C9J2C7_HUMAN	Protein NT5C1B-RDH14		ENSG00000250741	ENSP00000412639	ENST00000444297	533		U
SDR7C5-1	sp Q6UX07 DHR13_HUMAN	Dehydrogenase/reductase SDR family member 13	Hs.631760	ENSG00000167536	ENSP00000368173 ENSP00000378361	ENST00000378895 ENST00000394901	377	PF00106	C
SDR7C5-3	tr B4DJC5 B4DJC5_HUMAN	Dehydrogenase/reductase SDR family member 13	Hs.631760	ENSG00000167536	ENSP00000412826	ENST00000426464	296		
SDR7C6-1	sp Q8N5I4 DHR5X_HUMAN	Dehydrogenase/reductase SDR family member on chromosome X	Hs.131452	ENSG00000169084	ENSP00000334113	ENST00000334651	330	PF00106	C
SDR7C6-4	tr E2QRC8 E2QRC8_HUMAN	Uncharacterized protein		ENSG00000169084	ENSP00000370621	ENST00000381223	263	PF00106	U
SDR7C6-5	tr C9JRH1 C9JRH1_HUMAN	Dehydrogenase/reductase SDR family member on chromosome X		ENSG00000169084	ENSP00000402741	ENST00000444280	122	PF00106	U
SDR7C6-6	tr C9JB06 C9JB06_HUMAN	Dehydrogenase/reductase SDR family member on chromosome X		ENSG00000169084	ENSP00000391778	ENST00000412516	232	PF00106	U
SDR8C1-1	sp P51659 DHB4_HUMAN	Peroxisomal multifunctional enzyme type 2	Hs.406861	ENSG00000133835	ENSP00000256216	ENST00000256216	736	PF00106	C
SDR8C1-2	tr B4DNV1 B4DNV1_HUMAN	cDNA FLJ55431, highly similar to Peroxisomal multifunctional enzyme type 2	Hs.406861				761	PF00106	U
SDR8C1-3	tr B2R659 B2R659_HUMAN	cDNA, FLJ92803, highly similar to Homo sapiens hydroxysteroid (17-beta) dehydrogenase 4 (HSD17B4), mRNA	Hs.406861				736	PF00106	C
SDR8C1-4	tr B4DVS5 B4DVS5_HUMAN	cDNA FLJ59445, highly similar to Peroxisomal multifunctional enzyme type 2	Hs.406861				718	PF00106	U
SDR8C1-5	tr B4DDM5 B4DDM5_HUMAN	cDNA FLJ53298, highly similar to Peroxisomal multifunctional enzyme type 2	Hs.406861				717	PF00106	C
SDR8C1-6	tr B4DSD0 B4DSD0_HUMAN	cDNA FLJ59409, highly similar to Peroxisomal multifunctional enzyme type 2	Hs.406861				712	PF00106	U
SDR8C1-7	tr B3KSP2 B3KSP2_HUMAN	cDNA FLJ36730 fis, clone UTERU2012610, highly similar to Peroxisomal multifunctional enzyme type 2	Hs.406861				596	PF00106	
SDR8C1-8	tr B4DI68 B4DI68_HUMAN	cDNA FLJ61268, highly similar to Peroxisomal multifunctional enzyme type 2	Hs.406861				599	PF00106	
SDR8C1-9	tr Q59H27 Q59H27_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 4 variant	Hs.406861				471		
SDR8C1-10	tr E7ER27 E7ER27_HUMAN	Peroxisomal multifunctional enzyme type 2		ENSG00000133835	ENSP00000390208	ENST00000442060	500	PF00106	C
SDR8C1-11	tr E7EWES E7EWES_HUMAN	Peroxisomal multifunctional enzyme type 2		ENSG00000133835	ENSP00000424940	ENST00000510025	712	PF00106	U
SDR8C1-12	tr E9PB82 E9PB82_HUMAN	Peroxisomal multifunctional enzyme type 2	Hs.406861	ENSG00000133835	ENSP00000424613	ENST00000515320	718	PF00106	U
SDR8C1-13	tr F5HE57 F5HE57_HUMAN	Peroxisomal multifunctional enzyme type 2	Hs.406861	ENSG00000133835	ENSP00000420914	ENST00000504811	761	PF00106	U

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SDR8C1-14	tr G5E9S2 G5E9S2_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 4, isoform CRA_a	Hs.406861	ENSG00000133835	ENSP00000411960	ENST00000414835	596	PF00106	U
SDR8C1-15	tr E7ET17 E7ET17_HUMAN	Peroxisomal multifunctional enzyme type 2		ENSG00000133835	ENSP00000425993	ENST00000513628	599	PF00106	U
SDR9C1-1	sp Q02338 BDH_HUMAN	D-beta-hydroxybutyrate dehydrogenase, mitochondrial	Hs.274539	ENSG00000161267	ENSP00000350914 ENSP00000376183 ENSP00000376184	ENST00000358186 ENST00000392378 ENST00000392379	343	PF00106	C
SDR9C1-4	tr A1E284 A1E284_HUMAN	3-hydroxybutyrate dehydrogenase	Hs.274539				105		
SDR9C1-6	tr E9PCG9 E9PCG9_HUMAN	D-beta-hydroxybutyrate dehydrogenase, mitochondrial		ENSG00000161267	ENSP00000411014	ENST00000441275	256	PF00106	U
SDR9C1-7	tr C9K0G7 C9K0G7_HUMAN	D-beta-hydroxybutyrate dehydrogenase, mitochondrial		ENSG00000161267	ENSP00000387648	ENST00000446746	166	PF00106	U
SDR9C1-8	tr C9JM78 C9JM78_HUMAN	D-beta-hydroxybutyrate dehydrogenase, mitochondrial		ENSG00000161267	ENSP00000408685	ENST00000434143	169	PF00106	U
SDR9C1-9	tr C9JQ90 C9JQ90_HUMAN	D-beta-hydroxybutyrate dehydrogenase, mitochondrial		ENSG00000161267	ENSP00000409849	ENST00000432819	186	PF00106	U
SDR9C2-1	sp P37059 DHB2_HUMAN	Estradiol 17-beta-dehydrogenase 2	Hs.162795	ENSG00000086696	ENSP00000199936	ENST00000199936	387	PF00106	C
SDR9C2-2	tr Q53GD0 Q53GD0_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 2 variant	Hs.162795				387	PF00106	C
SDR9C3-1	sp P80365 DHI2_HUMAN	Corticosteroid 11-beta-dehydrogenase isozyme 2	Hs.1376	ENSG00000176387	ENSP00000316786	ENST00000326152	405	PF00106	C
SDR9C4-1	sp Q9BPW9 DHRS9_HUMAN	Dehydrogenase/reductase SDR family member 9	Hs.179608	ENSG00000073737	ENSP00000316670 ENSP00000350154 ENSP00000407747 ENSP00000388066 ENSP00000388564 ENSP00000407167	ENST00000327239 ENST00000357546 ENST00000412271 ENST00000421653 ENST00000428522 ENST00000436483	319	PF00106	C
SDR9C4-2	tr Q9Y2P9 Q9Y2P9_HUMAN	Retinol dehydrogenase homolog	Hs.179608				323	PF00106	C
SDR9C4-3	tr B2R835 B2R835_HUMAN	cDNA, FLJ93721, highly similar to Homo sapiens NADP-dependent retinol dehydrogenase/reductase (RDHL), transcript variant C	Hs.179608				319	PF00106	C
SDR9C4-4	tr Q53TL1 Q53TL1_HUMAN	Putative uncharacterized protein RDHL	Hs.179608				245	PF00106	C
SDR9C4-6	tr Q4ZG83 Q4ZG83_HUMAN	Putative uncharacterized protein RDHL	Hs.179608				73		
SDR9C4-7	tr B7Z416 B7Z416_HUMAN	Dehydrogenase/reductase SDR family member 9	Hs.179608	ENSG00000073737	ENSP00000389241	ENST00000432060	379	PF00106	C
SDR9C4-9	tr C9J430 C9J430_HUMAN	Dehydrogenase/reductase SDR family member 9		ENSG00000073737	ENSP00000391214	ENST00000450153	66		U
SDR9C5-1	sp Q92781 RDH1_HUMAN	11-cis retinol dehydrogenase	Hs.732037	ENSG00000135437	ENSP00000257895 ENSP00000447128	ENST00000257895 ENST00000548082	318	PF00106	C
SDR9C5-2	tr O00179 O00179_HUMAN	9-cis-retinol specific dehydrogenase	Hs.732037				318	PF00106	C

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SDR9C5-3	tr B4DDS2 B4DDS2_HUMAN	cDNA FLJ60415, highly similar to 11-cis retinol dehydrogenase (EC 1.1.1.105)	Hs.732037				190	PF00106	
SDR9C5-4	tr F8VVC7 F8VVC7_HUMAN	11-cis retinol dehydrogenase		ENSG00000135437	ENSP00000449927	ENST00000547072	221	PF00106	U
SDR9C5-5	tr F8VUB9 F8VUB9_HUMAN	11-cis retinol dehydrogenase		ENSG00000135437	ENSP00000448014	ENST00000552930	55	PF00106	U
SDR9C5-6	tr HOYHP7 HOYHP7_HUMAN	11-cis retinol dehydrogenase		ENSG00000135437	ENSP00000447513	ENST00000548123	103	PF00106	U
SDR9C6-1	sp O14756 H17B6_HUMAN	17-beta-hydroxysteroid dehydrogenase type 6	Hs.524513	ENSG00000025423	ENSP00000318631 ENSP00000452273 ENSP00000451406 ENSP00000450698 ENSP00000451753	ENST00000322165 ENST00000554150 ENST00000554643 ENST00000555159 ENST00000555805	317	PF00106	C
SDR9C6-2	tr B2R8L8 B2R8L8_HUMAN	cDNA, FLJ93962, highly similar to Homo sapiens hydroxysteroid (17-beta) dehydrogenase 6 (HSD17B6), mRNA	Hs.524513				317	PF00106	C
SDR9C6-4	tr G3V508 G3V508_HUMAN	17-beta-hydroxysteroid dehydrogenase type 6		ENSG00000025423	ENSP00000452103	ENST00000556650	75		U
SDR9C6-5	tr G3V3Y9 G3V3Y9_HUMAN	17-beta-hydroxysteroid dehydrogenase type 6		ENSG00000025423	ENSP00000451497	ENST00000554155	88	PF00106	U
SDR9C7-1	sp Q8NEX9 DR9C7_HUMAN	Short-chain dehydrogenase/reductase family 9C member 7	Hs.380178	ENSG00000170426	ENSP00000293502	ENST00000293502	313	PF00106	C
SDR9C8-1	sp O75452 RDH16_HUMAN	Retinol dehydrogenase 16	Hs.134958	ENSG00000139547	ENSP00000381206	ENST00000398138	317	PF00106	C
SDR9C8-2	tr Q59FX7 Q59FX7_HUMAN	Microsomal NAD+-dependent retinol dehydrogenase 4 variant	Hs.134958				193		
SDR10E1-1	sp Q8WVX9 FACR1_HUMAN	Fatty acyl-CoA reductase 1	Hs.501991	ENSG00000197601	ENSP00000346874	ENST00000354817	515		E
SDR10E1-2	tr B2RDG1 B2RDG1_HUMAN	cDNA, FLJ96593	Hs.501991				515		E
SDR10E1-3	tr Q9H600 Q9H600_HUMAN	cDNA: FLJ22728 fis, clone HSI15617	Hs.501991				342		E
SDR10E1-6	tr E7ETC1 E7ETC1_HUMAN	Fatty acyl-CoA reductase 1		ENSG00000197601	ENSP00000347226	ENST00000355107	342		E
SDR10E1-7	tr E9PNW8 E9PNW8_HUMAN	Fatty acyl-CoA reductase 1		ENSG00000197601	ENSP00000437111	ENST00000532701	335		E
SDR10E2-1	sp Q96K12 FACR2_HUMAN	Fatty acyl-CoA reductase 2	Hs.298851	ENSG00000064763	ENSP00000182377 ENSP00000443291	ENST00000182377 ENST00000536681	515		E
SDR10E2-2	tr Q9NUX8 Q9NUX8_HUMAN	cDNA FLJ11065 fis, clone PLACE1004868, weakly similar to MALE STERILITY PROTEIN 2	Hs.298851				515		E
SDR10E2-3	tr B2RBI0 B2RBI0_HUMAN	cDNA, FLJ95518	Hs.298851				515		E
SDR10E2-4	tr F8VV73 F8VV73_HUMAN	Fatty acyl-CoA reductase 2		ENSG00000064763	ENSP00000449349	ENST00000547116	418		E
SDR11E1-1	sp P14060 3BHS1_HUMAN	3 beta-hydroxysteroid dehydrogenase/Delta 5->4-isomerase type 1	Hs.364941	ENSG00000203857	ENSP00000358421 ENSP00000432268	ENST00000369413 ENST00000528909	373	PF01073	E
SDR11E1-2	tr Q5TDG2 Q5TDG2_HUMAN	Hydroxy-delta-5-steroid dehydrogenase, 3 beta-and steroid delta-isomerase 1	Hs.364941				375	PF01073	E
SDR11E2-1	sp P26439 3BHS2_HUMAN	3 beta-hydroxysteroid dehydrogenase/Delta 5->4-isomerase type 2	Hs.654399	ENSG00000203859	ENSP00000358424 ENSP00000445122	ENST00000369416 ENST00000543831	372	PF01073	E
SDR11E2-3	tr B2R8L0 B2R8L0_HUMAN	cDNA, FLJ93951, highly similar to Homo sapiens hydroxy-delta-5-steroid dehydrogenase, 3 beta-andsteroid delta-isomerase	Hs.654399				372	PF01073	E

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SDR11E2-4	tr Q5QP01 Q5QP01_HUMAN	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2	Hs.654399	ENSG00000203859	ENSP00000388292	ENST00000433745	195	PF01073	E
SDR11E3-1	sp Q9H2F3 3BHS7_HUMAN	3 beta-hydroxysteroid dehydrogenase type 7	Hs.460618	ENSG00000099377	ENSP00000262520 ENSP00000297679 ENSP00000370662	ENST00000262520 ENST00000297679 ENST00000353250	369	PF01073	E
SDR11E5-1	tr Q61955 Q61955_HUMAN	3<beta>-HSD <psi>1 protein					173	PF01073	
SDR11E5-2	tr P78550 P78550_HUMAN	3 beta-hydroxysteroid dehydrogenase homolog protein					54	PF01073	
SDR11E5-3	tr Q99888 Q99888_HUMAN	3 beta-hydroxysteroid dehydrogenase homolog protein					54	PF01073	
SDR11E7-2	tr Q99889 Q99889_HUMAN	3 beta-hydroxysteroid dehydrogenase homolog protein	Hs.681806				53	PF01073	
SDR11E7-3	tr Q8TDP9 Q8TDP9_HUMAN	3-beta-hydroxysteroid dehydrogenase	Hs.681806				256	PF01073	U
SDR12C1-1	sp Q53GQ0 DHB12_HUMAN	Estradiol 17-beta-dehydrogenase 12	Hs.132513	ENSG00000149084	ENSP00000278353	ENST00000278353	312	PF00106	C
SDR12C1-3	tr B3KQJ0 B3KQJ0_HUMAN	cDNA FLJ90530 fis, clone NT2RP4002187, highly similar to Homo sapiens hydroxysteroid (17-beta) dehydrogenase 12 (HSD17B12	Hs.132513				312	PF00106	C
SDR12C1-4	tr B4DWS6 B4DWS6_HUMAN	cDNA FLJ61181, highly similar to Homo sapiens hydroxysteroid (17-beta) dehydrogenase 12 (HSD17B12), mRNA	Hs.132513				304	PF00106	C
SDR12C1-5	tr Q96EA9 Q96EA9_HUMAN	Estradiol 17-beta-dehydrogenase 12	Hs.132513	ENSG00000149084	ENSP00000379052	ENST00000395700	98	PF00106	
SDR12C1-7	tr E9PI21 E9PI21_HUMAN	Estradiol 17-beta-dehydrogenase 12		ENSG00000149084	ENSP00000436582	ENST00000531185	164	PF00106	U
SDR12C1-8	tr D3DR22 D3DR22_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 12, isoform CRA_a	Hs.132513				352	PF00106	C
SDR12C2-1	sp P37058 DHB3_HUMAN	Testosterone 17-beta-dehydrogenase 3	Hs.477	ENSG00000130948	ENSP00000364412	ENST00000375263	310	PF00106	C
SDR12C2-2	tr Q6FH62 Q6FH62_HUMAN	HSD17B3 protein	Hs.477				310	PF00106	C
SDR12C2-3	tr Q5U0Q6 Q5U0Q6_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 3	Hs.477	ENSG00000130948	ENSP00000364411	ENST00000375262	260	PF00106	C
SDR12C3-1	sp Q3SXM5 HSDL1_HUMAN	Inactive hydroxysteroid dehydrogenase-like protein 1	Hs.555992	ENSG00000103160	ENSP00000219439 ENSP00000407437	ENST00000219439 ENST00000434463	330	PF00106	C
SDR13C1-1	sp Q6YN16 HSDL2_HUMAN	Hydroxysteroid dehydrogenase-like protein 2	Hs.59486	ENSG00000119471	ENSP00000381783 ENSP00000381785	ENST00000398803 ENST00000398805	418	PF00106	C
SDR13C1-2	tr B2R923 B2R923_HUMAN	cDNA, FLJ94174	Hs.59486				345	PF00106	
SDR13C1-6	tr B4DWC7 B4DWC7_HUMAN	Hydroxysteroid dehydrogenase-like protein 2	Hs.59486	ENSG00000119471	ENSP00000442278	ENST00000539114	213		
SDR13C1-7	tr B4E136 B4E136_HUMAN	Hydroxysteroid dehydrogenase-like protein 2	Hs.59486	ENSG00000119471	ENSP00000262542	ENST00000262542	298		
SDR14E1-1	sp Q8IZJ6 TDH_HUMAN	Inactive L-threonine 3-dehydrogenase, mitochondrial	Hs.583896				230	PF01370	
SDR14E1-2	tr Q96KT1 Q96KT1_HUMAN	Putative uncharacterized protein	Hs.583896				249	PF01370	
SDR15C1-1	sp Q9BUT1 BDH2_HUMAN	3-hydroxybutyrate dehydrogenase type 2	Hs.124696	ENSG00000164039	ENSP00000296424	ENST00000296424	245	PF00106	C

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SDR member	Uniprot identifier	Uniprot Description	Unigene	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Seq len	Pfam	Type
SDR15C1-3	tr A8K5M0 A8K5M0_HUMAN	cDNA FLJ78346, highly similar to Homo sapiens 3-hydroxybutyrate dehydrogenase, type 2, mRNA	Hs.124696				173	PF00106	
SDR15C1-4	tr B3KY19 B3KY19_HUMAN	cDNA FLJ46606 fis, clone THYMU3047891, highly similar to Dehydrogenase/reductase SDR family member 6 (EC 1.1.-.-)	Hs.124696				173	PF00106	
SDR15C1-6	tr D6RBF6 D6RBF6_HUMAN	3-hydroxybutyrate dehydrogenase type 2		ENSG00000164039	ENSP00000424173	ENST00000506521	64		U
SDR15C1-7	tr D6RFG2 D6RFG2_HUMAN	3-hydroxybutyrate dehydrogenase type 2		ENSG00000164039	ENSP00000421516	ENST00000511354	90	PF00106	U
SDR15C1-8	tr D6R9U8 D6R9U8_HUMAN	3-hydroxybutyrate dehydrogenase type 2		ENSG00000164039	ENSP00000422891	ENST00000509245	116	PF00106	U
SDR15C1-9	tr D6RIR6 D6RIR6_HUMAN	3-hydroxybutyrate dehydrogenase type 2		ENSG00000164039	ENSP00000427442	ENST00000504285	130	PF00106	U
SDR15C1-10	tr D6R9P2 D6R9P2_HUMAN	Mitochondrial sodium/hydrogen exchanger 9B2		ENSG00000164038	ENSP00000423496	ENST00000508136	112		U
SDR16C1-1	sp O75911 DHRS3_HUMAN	Short-chain dehydrogenase/reductase 3	Hs.289347	ENSG00000162496	ENSP00000365397	ENST00000376223	302	PF00106	C
SDR16C1-2	tr Q53HI7 Q53HI7_HUMAN	Dehydrogenase/reductase (SDR family) member 3 variant	Hs.289347				302	PF00106	C
SDR16C1-5	tr Q5SUY4 Q5SUY4_HUMAN	Dehydrogenase/reductase (SDR family) member 3	Hs.289347	ENSG00000162496	ENSP00000387903	ENST00000430996	147	PF00106	
SDR16C1-6	tr Q0QD44 Q0QD44_HUMAN	Dehydrogenase/reductase member 3	Hs.289347				69	PF00106	
SDR16C2-1	sp Q8NBQ5 DHB11_HUMAN	Estradiol 17-beta-dehydrogenase 11	Hs.594923	ENSG00000198189	ENSP00000351035	ENST00000358290	300	PF00106	C
SDR16C2-3	tr D6RCD0 D6RCD0_HUMAN	Estradiol 17-beta-dehydrogenase 11		ENSG00000198189	ENSP00000423775	ENST00000507286	256	PF00106	U
SDR16C3-1	sp Q7Z5P4 DHB13_HUMAN	17-beta-hydroxysteroid dehydrogenase 13	Hs.284414	ENSG00000170509	ENSP00000305438 ENSP00000333300	ENST00000302219 ENST00000328546	300	PF00106	C
SDR16C4-1	sp Q8IZV5 RDH10_HUMAN	Retinol dehydrogenase 10	Hs.244940	ENSG00000121039	ENSP00000240285	ENST00000240285	341	PF00106	C
SDR16C4-2	tr E5RHJ9 E5RHJ9_HUMAN	Retinol dehydrogenase 10		ENSG00000121039	ENSP00000429727	ENST00000521928	62	PF00106	U
SDR16C4-3	tr E5RK48 E5RK48_HUMAN	Retinol dehydrogenase 10		ENSG00000121039	ENSP00000428132	ENST00000519380	176	PF00106	U
SDR16C5-1	sp Q8N3Y7 RDHE2_HUMAN	Epidermal retinol dehydrogenase 2	Hs.170673	ENSG00000170786	ENSP00000307607 ENSP00000379947	ENST00000303749 ENST00000396721	309	PF00106	C
SDR16C5-3	tr B3KT84 B3KT84_HUMAN	cDNA FLJ37840 fis, clone BRSSN2011799, highly similar to Homo sapiens epidermal retinal dehydrogenase 2 (RDHE2), mRNA	Hs.170673				231	PF00106	C
SDR16C5-4	tr F5GYT6 F5GYT6_HUMAN	Epidermal retinol dehydrogenase 2		ENSG00000170786	ENSP00000440545	ENST00000538514	230	PF00106	C
SDR16C5-5	tr G3V145 G3V145_HUMAN	Epidermal retinol dehydrogenase 2	Hs.170673	ENSG00000170786	ENSP00000431010	ENST00000522671	318	PF00106	C
SDR17C1-1	sp Q9NU11 DECR2_HUMAN	Peroxisomal 2,4-dienoyl-CoA reductase	Hs.628831	ENSG00000242612	ENSP00000219481 ENSP00000380822 ENSP00000399697	ENST00000219481 ENST00000397710 ENST00000439661	292	PF00106	C
SDR17C1-2	tr Q4VXZ8 Q4VXZ8_HUMAN	2,4-dienoyl CoA reductase 2, peroxisomal	Hs.628831	ENSG00000242612	ENSP00000400374	ENST00000424398	280	PF00106	C
SDR17C1-4	tr G3V0I9 G3V0I9_HUMAN	2,4-dienoyl CoA reductase 2, peroxisomal, isoform CRA_a	Hs.628831	ENSG00000242612	ENSP00000402180 ENSP00000395913	ENST00000437024 ENST00000445291	81	PF00106	U
SDR18C1-1	sp Q16698 DECR_HUMAN	2,4-dienoyl-CoA reductase, mitochondrial	Hs.492212	ENSG00000104325	ENSP00000220764	ENST00000220764	335	PF00106	C
SDR18C1-2	tr Q7LDK6 Q7LDK6_HUMAN	2,4-dienoyl-CoA reductase	Hs.492212				188	PF00106	
SDR18C1-3	tr B7Z6B8 B7Z6B8_HUMAN	2,4-dienoyl-CoA reductase, mitochondrial	Hs.492212	ENSG00000104325	ENSP00000429779	ENST00000522161	326	PF00106	C
SDR18C1-4	tr E5RJD2 E5RJD2_HUMAN	2,4-dienoyl-CoA reductase, mitochondrial		ENSG00000104325	ENSP00000429096	ENST00000520227	151	PF00106	U

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SDR18C1-5	tr E5RJG7 E5RJG7_HUMAN	2,4-dienoyl-CoA reductase, mitochondrial		ENSG00000104325	ENSP00000430561	ENST00000519410	181	PF00106	U
SDR18C1-6	tr E5RFV2 E5RFV2_HUMAN	2,4-dienoyl-CoA reductase, mitochondrial		ENSG00000104325	ENSP00000427936	ENST00000517761	205	PF00106	U
SDR19C1-1	sp Q96LJ7 DHRS1_HUMAN	Dehydrogenase/reductase SDR family member 1	Hs.348350	ENSG00000157379	ENSP00000288111 ENSP00000380027	ENST00000288111 ENST00000396813	313	PF00106	C
SDR19C1-4	tr H0YNC2 H0YNC2_HUMAN	Dehydrogenase/reductase (SDR family) member 1, isoform CRA_b	Hs.348350	ENSG00000157379	ENSP00000453949	ENST00000558340	147	PF00106	U
SDR20C1-1	sp Q7Z4W1 DCXR_HUMAN	L-xylulose reductase	Hs.9857	ENSG00000169738	ENSP00000303356	ENST00000306869	244	PF00106	C
SDR21C1-1	sp P16152 CBR1_HUMAN	Carbonyl reductase [NADPH] 1	Hs.606200	ENSG00000159228	ENSP00000290349	ENST00000290349	277	PF00106	C
SDR21C1-3	tr A8MTM1 A8MTM1_HUMAN	Carbonyl reductase [NADPH] 1		ENSG00000159228	ENSP00000382143	ENST00000399191	222	PF00106	
SDR21C1-4	tr B4DFK7 B4DFK7_HUMAN	Carbonyl reductase 1, isoform CRA_c	Hs.88778	ENSG00000159228	ENSP00000434613	ENST00000530908	173	PF00106	
SDR21C1-5	tr E9PQ63 E9PQ63_HUMAN	Carbonyl reductase [NADPH] 1		ENSG00000159228	ENSP00000395132	ENST00000439427	178	PF00106	U
SDR21C2-1	sp O75828 CBR3_HUMAN	Carbonyl reductase [NADPH] 3	Hs.154510	ENSG00000159231	ENSP00000290354	ENST00000290354	277	PF00106	C
SDR21C2-2	tr Q53F60 Q53F60_HUMAN	Carbonyl reductase 3 variant	Hs.154510				277	PF00106	C
SDR21C2-4	tr O60874 O60874_HUMAN	Putative carbonyl reductase	Hs.154510				34		
SDR22E1-1	sp Q16795 NDUA9_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial	Hs.75227	ENSG00000139180	ENSP00000266544	ENST00000266544	377	PF01370	
SDR22E1-2	tr A8K4V2 A8K4V2_HUMAN	cDNA FLJ75930, highly similar to Homo sapiens NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa (NDUFA9), mRNA	Hs.75227				377		
SDR22E1-3	tr Q9BTT5 Q9BTT5_HUMAN	Similar to NADH dehydrogenase (Ubiquinone) 1 alpha subcomplex, 9 (39kD)	Hs.75227				338	PF01370	
SDR23E1-1	sp Q9NZL9 MAT2B_HUMAN	Methionine adenosyltransferase 2 subunit beta	Hs.54642	ENSG00000038274	ENSP00000280969 ENSP00000325425 ENSP00000428046	ENST00000280969 ENST00000321757 ENST00000518095	334		E
SDR23E1-3	tr A8K7A4 A8K7A4_HUMAN	cDNA FLJ76904, highly similar to Homo sapiens methionine adenosyltransferase II, beta (MAT2B), transcript variant 2, mRNA	Hs.54642				323		E
SDR23E1-6	tr B7Z1X8 B7Z1X8_HUMAN	Methionine adenosyltransferase 2 subunit beta	Hs.54642	ENSG00000038274	ENSP00000411877	ENST00000415433	228		U
SDR23E122-1	tr H7C0X7 H7C0X7_HUMAN	Methionine adenosyltransferase 2 subunit beta		ENSG00000038274	ENSP00000397371	ENST00000421814	198		U
SDR24C1-1	sp Q6UWP2 DHR11_HUMAN	Dehydrogenase/reductase SDR family member 11	Hs.462859	ENSG00000108272 ENSG00000261508	ENSP00000251312 ENSP00000456222	ENST00000251312 ENST00000568873	260	PF00106	C
SDR24C1-2	tr A8MXC2 A8MXC2_HUMAN	Dehydrogenase/reductase SDR family member 11		ENSG00000108272	ENSP00000377962	ENST00000394445	119	PF00106	
SDR25C1-1	sp Q13268 DHRS2_HUMAN	Dehydrogenase/reductase SDR family member 2	Hs.272499	ENSG00000100867	ENSP00000344674	ENST00000344777	258	PF00106	C
SDR25C1-4	tr Q59F08 Q59F08_HUMAN	Dehydrogenase/reductase (SDR family) member 2 isoform 2 variant	Hs.272499				166	PF00106	
SDR25C1-6	tr D3DS54 D3DS54_HUMAN	Dehydrogenase/reductase (SDR family) member 2, isoform CRA_a	Hs.272499				280	PF00106	C

SDR member	Uniprot identifier	Uniprot Description	Unigene	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Seq len	Pfam	Type
SDR25C1-7	tr C9JZP6 C9JZP6_HUMAN	Dehydrogenase/reductase SDR family member 2		ENSG00000100867	ENSP00000401213	ENST00000432832	225	PF00106	C
SDR25C1-8	tr H0YJG9 H0YJG9_HUMAN	Dehydrogenase/reductase SDR family member 2		ENSG00000100867	ENSP00000451485	ENST00000553600	161		U
SDR25C1-9	tr H0YJP4 H0YJP4_HUMAN	Dehydrogenase/reductase SDR family member 2		ENSG00000100867	ENSP00000451895	ENST00000557535	180		U
SDR25C2-1	sp Q9BTZ2 DHRS4_HUMAN	Dehydrogenase/reductase SDR family member 4	Hs.528385	ENSG00000157326	ENSP00000326219 ENSP00000380264 ENSP00000380265 ENSP00000453367 ENSP00000452645 ENSP00000453983	ENST00000313250 ENST00000397074 ENST00000397075 ENST00000558263 ENST00000558581 ENST00000559632	278	PF00106	C
SDR25C2-3	tr E2QRI3 E2QRI3_HUMAN	Dehydrogenase/reductase SDR family member 4		ENSG00000157326	ENSP00000380263	ENST00000397073	181	PF00106	C
SDR25C2-4				ENSG00000157326	ENSP00000311993	ENST00000308178	140		
SDR25C2-7	tr E2QRL8 E2QRL8_HUMAN	Dehydrogenase/reductase SDR family member 4		ENSG00000157326	ENSP00000404147	ENST00000421831	226		
SDR25C2-9	tr F5GWZ1 F5GWZ1_HUMAN	Dehydrogenase/reductase SDR family member 4		ENSG00000157326	ENSP00000440508	ENST00000543741	155	PF00106	U
SDR25C2-10	tr B7Z6Z5 B7Z6Z5_HUMAN	cDNA FLJ54180, highly similar to Homo sapiens dehydrogenase/reductase (SDR family) member 4 (DHRS4), mRNA					155	PF00106	U
SDR25C3-1	sp Q6PKH6 DR4L2_HUMAN	Dehydrogenase/reductase SDR family member 4-like 2	Hs.692654	ENSG00000187630	ENSP00000334801	ENST00000335125	230	PF00106	C
SDR25C3-3	tr D3YTE6 D3YTE6_HUMAN	Dehydrogenase/reductase SDR family member 4-like 2		ENSG00000187630	ENSP00000372203	ENST00000382755	257	PF00106	C
SDR25C3-4	tr E9PFL3 E9PFL3_HUMAN	Dehydrogenase/reductase SDR family member 4-like 2		ENSG00000187630	ENSP00000380261	ENST00000397071	192	PF00106	
SDR25C3-6	tr H0YN69 H0YN69_HUMAN	Dehydrogenase/reductase SDR family member 4-like 2		ENSG00000187630	ENSP00000453889	ENST00000559411	242	PF00106	C
SDR25C3-7	tr H0YLE1 H0YLE1_HUMAN	Dehydrogenase/reductase SDR family member 4-like 2		ENSG00000187630	ENSP00000453173	ENST00000559387	49	PF00106	U
SDR25C3-8	tr H0YKN3 H0YKN3_HUMAN	Dehydrogenase/reductase SDR family member 4-like 2		ENSG00000187630	ENSP00000452875	ENST00000560276	109		U
SDR25C3-9	tr D5KJA2 D5KJA2_HUMAN	Dehydrogenase/reductase (SDR family) member 4 like 2A	Hs.692654				140		C
SDR25C3-10	tr F5H660 F5H660_HUMAN	Dehydrogenase/reductase SDR family member 4-like 2		ENSG00000187630	ENSP00000437883	ENST00000545240	155	PF00106	U
SDR25C3-11	tr F6TD35 F6TD35_HUMAN	Dehydrogenase/reductase SDR family member 4-like 2		ENSG00000187630	ENSP00000439942 ENSP00000453845	ENST00000537912 ENST00000558753	157	PF00106	U

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SDR25C3-12	tr B4DW53 B4DW53_HUMAN	cdNA FLJ57627, moderately similar to Homo sapiens dehydrogenase/reductase (SDR family) member 4 like 2 (DHRS4L2), mRNA	Hs.692654				157	PF00106	U
SDR25C3-13	tr F8WBA2 F8WBA2_HUMAN	Dehydrogenase/reductase SDR family member 4-like 2		ENSG00000187630	ENSP00000326086	ENST00000348916	215		U
SDR25C3-14	tr D5KJA1 D5KJA1_HUMAN	Dehydrogenase/reductase (SDR family) member 4 like 2A3	Hs.692654				216		U
SDR25C4-1	sp P0CG22 DR4L1_HUMAN	Putative dehydrogenase/reductase SDR family member 4-like 2	Hs.647569				281		
SDR26C1-1	sp P28845 DHI1_HUMAN	Corticosteroid 11-beta-dehydrogenase isozyme 1	Hs.195040	ENSG00000117594	ENSP00000261465 ENSP00000355994 ENSP00000355995	ENST00000261465 ENST00000367027 ENST00000367028	292	PF00106	C
SDR26C2-1	sp Q7Z5J1 DHI1L_HUMAN	Hydroxysteroid 11-beta-dehydrogenase 1-like protein	Hs.631840	ENSG00000167733	ENSP00000301382 ENSP00000340436 ENSP00000343451 ENSP00000398955 ENSP00000409592 ENSP00000407154	ENST00000301382 ENST00000339423 ENST00000342970 ENST00000411793 ENST00000422535 ENST00000423665	315	PF00106	U
SDR27X1-1	sp P49327 FAS_HUMAN	Fatty acid synthase	Hs.83190	ENSG00000169710	ENSP00000304592	ENST00000306749	2511	PF00106	X
SDR28C1-1	sp P14061 DHB1_HUMAN	Estradiol 17-beta-dehydrogenase 1	Hs.654385	ENSG00000108786	ENSP00000225929	ENST00000225929	328	PF00106	C
SDR28C1-2	tr B3RFR9 B3RFR9_HUMAN	Hydroxysteroid (17-beta) dehydrogenase 1 isoform	Hs.654385				359	PF00106	U
SDR28C1-7	tr B4DTD0 B4DTD0_HUMAN	cdNA FLJ57084, highly similar to Estradiol 17-beta-dehydrogenase 1 (EC 1.1.1.62)	Hs.654385				151	PF00106	
SDR28C1-8	tr B4DU11 B4DU11_HUMAN	Estradiol 17-beta-dehydrogenase 1	Hs.654385	ENSG00000108786	ENSP00000225928	ENST00000225928	149	PF00106	
SDR28C1-9	tr B4DTB7 B4DTB7_HUMAN	cdNA FLJ57082, moderately similar to Estradiol 17-beta-dehydrogenase 1 (EC 1.1.1.62)	Hs.654385				122	PF00106	U
SDR28C2-1	sp Q9NYR8 RDH8_HUMAN	Retinol dehydrogenase 8	Hs.675522	ENSG00000080511	ENSP00000171214	ENST00000171214	311	PF00106	C
SDR28C3-1	tr Q13034 Q13034_HUMAN	17 beta-hydroxysteroid dehydrogenase	Hs.654385				214	PF00106	C
SDR28C3-3	tr C9JHT4 C9JHT4_HUMAN	Protein HSD17B1P1		ENSG00000108785	ENSP00000396949	ENST00000442612	148	PF00106	U
SDR29C1-1	sp Q9BY49 PECR_HUMAN	Peroxisomal trans-2-enoyl-CoA reductase	Hs.281680	ENSG00000115425	ENSP00000265322	ENST00000265322	303	PF00106	C
SDR29C1-3	tr B4DJS2 B4DJS2_HUMAN	Peroxisomal trans-2-enoyl-CoA reductase	Hs.281680	ENSG00000115425	ENSP00000395512	ENST00000442122	157	PF00106	
SDR30C1-1	sp Q92506 DHB8_HUMAN	Estradiol 17-beta-dehydrogenase 8	Hs.415058	ENSG00000112474 ENSG00000204228 ENSG00000228357 ENSG00000232357 ENSG00000228712 ENSG00000225312	ENSP00000230236 ENSP00000363794 ENSP00000387753 ENSP00000406488 ENSP00000403538 ENSP00000413950	ENST00000230236 ENST00000374662 ENST00000414463 ENST00000422433 ENST00000427295 ENST00000454191	261	PF00106	C
SDR31E1-1	sp Q15738 NSDHL_HUMAN	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	Hs.57698	ENSG00000147383	ENSP00000359297 ENSP00000391854	ENST00000370274 ENST00000440023	373	PF01073	E

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SDR31E1-2	tr C9JDR0 C9JDR0_HUMAN	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating		ENSG00000147383	ENSP00000396266	ENST00000432467	254	PF01073	E
SDR32C1-1	sp Q6IAN0 DRS7B_HUMAN	Dehydrogenase/reductase SDR family member 7B	Hs.386989	ENSG00000109016	ENSP00000378887	ENST00000395511	325	PF00106	C
SDR32C1-3	tr HOY2T3 HOY2T3_HUMAN	Dehydrogenase/reductase SDR family member 7B		ENSG00000109016	ENSP00000320352	ENST00000346603	325	PF00106	C
SDR32C2-1	sp A6NNS2 DRS7C_HUMAN	Dehydrogenase/reductase SDR family member 7C	Hs.61684	ENSG00000184544	ENSP00000327975	ENST00000330255	312	PF00106	C
SDR32C2-3	tr B9EJH3 B9EJH3_HUMAN	Dehydrogenase/reductase (SDR family) member 7C	Hs.61684				308	PF00106	C
SDR33C1-1	sp P09417 DHPR_HUMAN	Dihydropteridine reductase	Hs.75438	ENSG00000151552	ENSP00000281243	ENST00000281243	244	PF00106	U
SDR33C1-3	tr B3KW71 B3KW71_HUMAN	Dihydropteridine reductase	Hs.75438	ENSG00000151552	ENSP00000390944	ENST00000428702	213		
SDR34C1-1	sp Q9Y394 DHR57_HUMAN	Dehydrogenase/reductase SDR family member 7	Hs.59719	ENSG00000100612	ENSP00000216500 ENSP00000442993 ENSP00000451882	ENST00000216500 ENST00000536410 ENST00000557185	339	PF00106	C
SDR34C1-2	tr Q659E8 Q659E8_HUMAN	Putative uncharacterized protein DKFZp564H1664	Hs.59719				375	PF00106	C
SDR34C1-5	tr F8W9Q4 F8W9Q4_HUMAN	Dehydrogenase/reductase SDR family member 7		ENSG00000100612	ENSP00000353759	ENST00000360557	375	PF00106	C
SDR34C1-6	tr HOYJ66 HOYJ66_HUMAN	Dehydrogenase/reductase SDR family member 7		ENSG00000100612	ENSP00000450899	ENST00000554101	399	PF00106	C
SDR34C1-7	tr HOYJE4 HOYJE4_HUMAN	Dehydrogenase/reductase SDR family member 7		ENSG00000100612	ENSP00000451321	ENST00000557137	160	PF00106	U
SDR34C1-8	tr HOYJR8 HOYJR8_HUMAN	Dehydrogenase/reductase SDR family member 7		ENSG00000100612	ENSP00000452026	ENST00000557751	212	PF00106	U
SDR35C1-1	sp Q06136 KDSR_HUMAN	3-ketodihydrosphingosine reductase	Hs.74050	ENSG00000119537	ENSP00000385083	ENST00000406396	332	PF00106	C
SDR35C1-3	tr B4DMX0 B4DMX0_HUMAN	3-ketodihydrosphingosine reductase	Hs.74050	ENSG00000119537	ENSP00000312939	ENST00000326575	268	PF00106	
SDR36C1-1	sp P15428 PGDH_HUMAN	15-hydroxyprostaglandin dehydrogenase [NAD(+)]	Hs.596913	ENSG00000164120	ENSP00000296521 ENSP00000296522	ENST00000296521 ENST00000296522	266	PF00106	C
SDR36C1-3	tr Q12998 Q12998_HUMAN	15-hydroxy prostaglandin dehydrogenase	Hs.596913				178	PF00106	C
SDR36C1-4	tr O00749 O00749_HUMAN	15-hydroxyprostaglandin dehydrogenase	Hs.596913	ENSG00000164120	ENSP00000443644	ENST00000542498	143	PF00106	
SDR36C1-5	tr Q9NZQ5 Q9NZQ5_HUMAN	NAD+-dependent 15-hydroxyprostaglandin dehydrogenase	Hs.596913				72	PF00106	
SDR36C1-7	tr B4DTA4 B4DTA4_HUMAN	cDNA FLJ50664, highly similar to Homo sapiens hydroxyprostaglandin dehydrogenase 15-(NAD) (HPGD), mRNA	Hs.596913				198	PF00106	
SDR36C1-8	tr B4DU74 B4DU74_HUMAN	15-hydroxyprostaglandin dehydrogenase [NAD(+)]	Hs.596913	ENSG00000164120	ENSP00000422418 ENSP00000438017	ENST00000510901 ENST00000541923	145	PF00106	
SDR36C1-9	tr D6RHF8 D6RHF8_HUMAN	15-hydroxyprostaglandin dehydrogenase [NAD(+)]		ENSG00000164120	ENSP00000427699	ENST00000510835	37	PF00106	U

SDR member	Uniprot identifier	Uniprot Description	Unigene	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Seq len	Pfam	Type
SDR36C1-10	tr E9PD69 E9PD69_HUMAN	15-hydroxyprostaglandin dehydrogenase [NAD(+)]		ENSG00000164120	ENSP00000425741	ENST00000508330	87	PF00106	U
SDR36C1-11	tr D6RA66 D6RA66_HUMAN	15-hydroxyprostaglandin dehydrogenase [NAD(+)]		ENSG00000164120	ENSP00000423110	ENST00000514584	97	PF00106	U
SDR36C1-12	tr D6RA83 D6RA83_HUMAN	15-hydroxyprostaglandin dehydrogenase [NAD(+)]		ENSG00000164120	ENSP00000423066	ENST00000506910	99	PF00106	U
SDR36C1-13	tr E9PBZ2 E9PBZ2_HUMAN	15-hydroxyprostaglandin dehydrogenase [NAD(+)]		ENSG00000164120	ENSP00000420892	ENST00000504433	176	PF00106	U
SDR36C1-14	tr E7EV11 E7EV11_HUMAN	15-hydroxyprostaglandin dehydrogenase [NAD(+)]	Hs.596913	ENSG00000164120	ENSP00000398720	ENST00000422112	198	PF00106	U
SDR37C1-1	sp P56937 DHB7_HUMAN	3-keto-steroid reductase	Hs.492925	ENSG00000132196	ENSP00000254521 ENSP00000356894	ENST00000254521 ENST00000367917	341	PF00106	C
SDR37C1-3	tr Q9H9C0 Q9H9C0_HUMAN	HCG2024989, isoform CRA_i	Hs.492925				155	PF00106	
SDR37C1-4	tr Q5T248 Q5T248_HUMAN	3-keto-steroid reductase	Hs.492925	ENSG00000132196	ENSP00000356889	ENST00000367913	111	PF00106	
SDR37C1-5	tr Q5T249 Q5T249_HUMAN	3-keto-steroid reductase	Hs.492925	ENSG00000132196	ENSP00000356892	ENST00000367915	84	PF00106	
SDR37C1-8	tr Q5T250 Q5T250_HUMAN	3-keto-steroid reductase	Hs.492925	ENSG00000132196	ENSP00000412146	ENST00000413934	119		
SDR37C1-9	tr F2Z2C2 F2Z2C2_HUMAN	3-keto-steroid reductase		ENSG00000132196	ENSP00000436334	ENST00000466176	109	PF00106	U
SDR37C2-3	tr Q5MGS6 Q5MGS6_HUMAN	17beta-hydroxysteroid dehydrogenase type 7 form 2	Hs.652484				229	PF00106	U
SDR37C2-4	tr B4DF79 B4DF79_HUMAN	cDNA FLJ60462, highly similar to 3-keto-steroid reductase (EC 1.1.1.270)	Hs.652484				225	PF00106	U
SDR37C2-5	tr Q9NRW5 Q9NRW5_HUMAN	17-beta-hydroxysteroid dehydrogenase type VII	Hs.652484				223	PF00106	U
SDR37C2-6	tr Q9NRW6 Q9NRW6_HUMAN	17-beta-hydroxysteroid dehydrogenase type VII isoform	Hs.652484				111	PF00106	
SDR37C2-7	tr B4DHZ4 B4DHZ4_HUMAN	cDNA FLJ60549, moderately similar to 3-keto-steroid reductase (EC 1.1.1.270)	Hs.652484				112	PF00106	U
SDR38C1-1	sp P35270 SPRE_HUMAN	Sepiapterin reductase	Hs.301540	ENSG00000116096	ENSP00000234454	ENST00000234454	261	PF00106	C
SDR38C1-2	tr B4DSF0 B4DSF0_HUMAN	cDNA FLJ56734, moderately similar to Sepiapterin reductase (EC 1.1.1.153)					123	PF00106	U
SDR38C1-3	tr Q93041 Q93041_HUMAN	Sepiapterin reductase	Hs.301540				47		
SDR38C1-4	tr Q9UEC5 Q9UEC5_HUMAN	Putative uncharacterized protein SPR	Hs.301540				62		
SDR39U1-1	sp Q9NRG7 D39U1_HUMAN	Epimerase family protein SDR39U1	Hs.643552	ENSG00000100445	ENSP00000336854 ENSP00000382322 ENSP00000382327	ENST00000336353 ENST00000399390 ENST00000399395	319	PF01370	
SDR39U1-5	tr Q86TZ5 Q86TZ5_HUMAN	Epimerase family protein SDR39U1	Hs.643552	ENSG00000100445	ENSP00000452438	ENST00000554698	185		
SDR39U1-6	tr G3V4Z0 G3V4Z0_HUMAN	Epimerase family protein SDR39U1		ENSG00000100445	ENSP00000452076	ENST00000553343	170		
SDR39U1-7	tr F6RWC2 F6RWC2_HUMAN	Epimerase family protein SDR39U1		ENSG00000100445	ENSP00000446077	ENST00000538105	211		
SDR40C1-1	sp A0PJE2 DHR12_HUMAN	Dehydrogenase/reductase SDR family member 12	Hs.266728	ENSG00000102796	ENSP00000218981 ENSP00000280056 ENSP00000411565	ENST00000218981 ENST00000280056 ENST00000444610	317	PF00106	C

Human SDR enzymes

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SDR member	Uniprot identifier	Uniprot Description	Unigene	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Seq len	Pfam	Type
SDR41C1-1	sp Q9NZC7 WWOX_HUMAN	WW domain-containing oxidoreductase	Hs.461453	ENSG00000186153	ENSP00000348119 ENSP00000384238 ENSP00000384495 ENSP00000386161 ENSP00000457230 ENSP00000454485	ENST00000355860 ENST00000402655 ENST00000406884 ENST00000408984 ENST00000566780 ENST00000569818	414	PF00106	C
SDR41C1-3	tr A8K5I5 A8K5I5_HUMAN	cDNA FLJ78250, highly similar to Homo sapiens WW domain containing oxidoreductase (WWOX), transcript variant 1, mRNA	Hs.461453				414	PF00106	C
SDR41C1-4	tr B3KNJ9 B3KNJ9_HUMAN	cDNA FLJ14720 fis, clone NT2RP3001495, highly similar to WW domain-containing oxidoreductase (EC 1.1.1.-)	Hs.461453				414	PF00106	C
SDR41C1-5	tr B4DPG3 B4DPG3_HUMAN	cDNA FLJ56924, highly similar to WW domain-containing oxidoreductase (EC 1.1.1.-)	Hs.461453				301	PF00106	C
SDR41C1-12	tr G8JLA6 G8JLA6_HUMAN	WW domain-containing oxidoreductase		ENSG00000186153	ENSP00000299644	ENST00000299644	364	PF00106	U
SDR41C1-13	tr Q12953 Q12953_HUMAN	Oxidoreductase	Hs.461453				370	PF00106	U
SDR42E1-1	sp Q8WUS8 D42E1_HUMAN	Short-chain dehydrogenase/reductase family 42E member 1	Hs.87779	ENSG00000184860	ENSP00000332407	ENST00000328945	393	PF01073	E
SDR42E1-2	tr E9PQ06 E9PQ06_HUMAN	Short-chain dehydrogenase/reductase family 42E member 1		ENSG00000184860	ENSP00000434529	ENST00000532128	195	PF01073	E
SDR42E2-1	sp A6NKP2 D42E2_HUMAN	Putative short-chain dehydrogenase/ reductase family 42E member 2		ENSG00000183921	ENSP00000330812	ENST00000330898	422	PF01073	E
SDR43U1-1	sp P30043 BLVRB_HUMAN	Flavin reductase (NADPH)	Hs.515785	ENSG00000090013	ENSP00000263368	ENST00000263368	206		
SDR44U1-1	sp Q9BUP3 HTAI2_HUMAN	Oxidoreductase HTATIP2	Hs.90753	ENSG00000109854	ENSP00000392985 ENSP00000397752 ENSP00000387876 ENSP00000394259 ENSP00000436548 ENSP00000432107 ENSP00000432338	ENST00000419348 ENST00000421577 ENST00000443524 ENST00000451739 ENST00000530266 ENST00000532081 ENST00000532505	242		
SDR44U1-2	tr E9PI87 E9PI87_HUMAN	Oxidoreductase HTATIP2		ENSG00000109854	ENSP00000436729	ENST00000531058	196		
SDR45C1-1	sp Q8N4T8 CBR4_HUMAN	Carbonyl reductase family member 4	Hs.659311	ENSG00000145439	ENSP00000303525 ENSP00000427615	ENST00000306193 ENST00000504480	237	PF00106	
SDR45C1-3	tr D6RAV8 D6RAV8_HUMAN	Carbonyl reductase family member 4		ENSG00000145439	ENSP00000424717	ENST00000510042	51	PF00106	U
SDR45C1-4	tr D6RGF2 D6RGF2_HUMAN	Carbonyl reductase family member 4		ENSG00000145439	ENSP00000421254	ENST00000506808	60	PF00106	U
SDR45C1-5	tr D6RJF4 D6RJF4_HUMAN	Carbonyl reductase family member 4		ENSG00000145439	ENSP00000425671	ENST00000507752	60	PF00106	U
SDR45C1-6	tr B4DSP7 B4DSP7_HUMAN	cDNA FLJ61376, moderately similar to Homo sapiens carbonic reductase 4 (CBR4), mRNA					109	PF00106	U
SDR45C1-7	tr H0Y962 H0Y962_HUMAN	Carbonyl reductase family member 4		ENSG00000145439	ENSP00000423128	ENST00000504561	186	PF00106	C
SDR47C1-1	sp Q9BPX1 DHB14_HUMAN	17-beta-hydroxysteroid dehydrogenase 14	Hs.18788	ENSG00000087076	ENSP00000263278	ENST00000263278	270	PF00106	C

SDR member	Uniprot identifier	Uniprot Description	Unigene	Ensembl gene ID	Ensembl protein ID	Ensembl transcript ID	Seq len	Pfam	Type
SDR48A1-1	sp Q9HBL8 NMRL1_HUMAN	NmrA-like family domain-containing protein 1	Hs.288969	ENSG00000153406	ENSP00000283429 ENSP00000383962 ENSP00000460263 ENSP00000458762	ENST00000283429 ENST00000404295 ENST00000574425 ENST00000574733	299		
SDR48A1-3	tr I3L0Y6 I3L0Y6_HUMAN	NmrA-like family domain-containing protein 1		ENSG00000153406	ENSP00000458425	ENST00000573571	188		
SDR48A1-4	tr I3L1Q7 I3L1Q7_HUMAN	NmrA-like family domain-containing protein 1		ENSG00000153406	ENSP00000459022	ENST00000573520	57		
SDR48A1-5	tr I3L1Y8 I3L1Y8_HUMAN	NmrA-like family domain-containing protein 1		ENSG00000153406	ENSP00000459221	ENST00000572232	190		
SDR48A1-6	tr I3L3I6 I3L3I6_HUMAN	NmrA-like family domain-containing protein 1		ENSG00000153406	ENSP00000460476	ENST00000576176	225		
SDR48A1-7	tr I3L3Z0 I3L3Z0_HUMAN	NmrA-like family domain-containing protein 1		ENSG00000153406	ENSP00000460837	ENST00000572110	124		
SDR48A1-8	tr I3L543 I3L543_HUMAN	NmrA-like family domain-containing protein 1		ENSG00000153406	ENSP00000461763	ENST00000571448	159		