Recombinant Human SULT2A1 Protein, His-tagged

Cat. No. SULT2A1-3543H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SULT2A1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
ProteinLength	1-285 a.a.
Description	SULT2A1, also known dehydroepiandrosterone sulphotransferase, belongs to the sulfotransferase family. This protein is mainly expressed in liver and adrenal tissues, and to a lesser extent in kidney. It catalyzes the 3''-phosphoadenosine 5''-phosphosulfate-dependent sulfation of a wide variety of steroids in human liver and adrenal tissues, and is also responsible for most of the sulfation of bile acids in human liver.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Molecular weight	35.9 kDa (305aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH MSDDFLWFEG IAFPTMGFRS ETLRKVRDEF

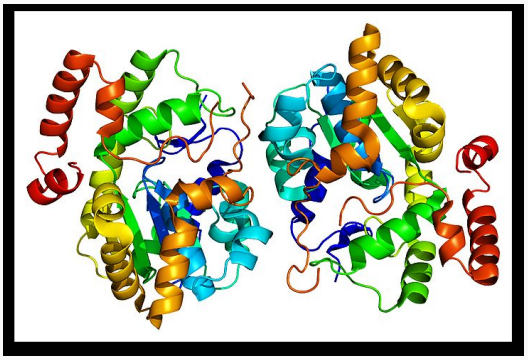
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acids	VIRDEDVIIL TYPKSGTNWL AEILCLMHSK GDAKWIQSVP IWERSPWVES EIGYTALSET ESPRLFSSHL PIQLFPKSFF SSKAKVIYLM RNPRDVLVSG YFFWKNMKFI KKPKSWEEYF EWFCQGTVLY GSWFDHIHGW MPMREEKNFL LLSYEELKQD TGRTIEKICQ FLGKTLEPEE LNLILKNSSF QSMKENKMSN YSLLSVDYVV DKAQLLRKGV SGDWKNHFTV AQAEDFDKLF QEKMADLPRE LFPWE
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	SULT2A1 sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1 [Homo sapiens]
Synonyms	Hsulfotransferase family; cytosolic; 2A; dehydroepiandrosterone (DHEA)-preferring; member 1; bile salt sulfotransferase; DHEAS; ST2A3; ST2; dehydroepiandrosterone sulfotransferase; STD; hSTa; hSTa; Hydroxysteroid Sulfotransferase; ST; bile-salt sulfotranasferase 2A1; alcohol/hydroxysteroid sulfotransferase; EC 2.8.2.14; ST2A1; DHEA-ST; SULT2A1
Gene ID	6822
mRNA Refseq	NM_003167
Protein Refseq	NP_003158
MIM	125263
UniProt ID	Q06520

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Chromosome Location	19q13.3
Function	bile-salt sulfotransferase activity; sulfotransferase activity; transferase activity; transferase activity
PDB rendering based on 1efh.	

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