

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

VIRDEDVIL TYPKSGTNWL AEILCLMHSK GDAKWIQSVP IWERSPWVES
 EIGYTALSET ESPRLFSSHL PIQLFPKSFF SSKAKVIYLM RNPRDVLVSG
 YFFWKNMKFI KKPKSWEYF EWFCQGTVLY GSWFDHIHW MPMREEKNFL
 LLSYEELKQD TGRTIEKICQ FLGKTLEPEE LNLILKNSSF QSMKENKMSN
 YSLLSVDYVV DKAQLLRKGV SGDWNHFTV 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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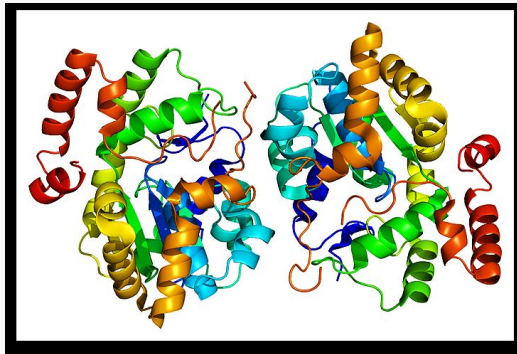
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**Chromosome
Location** 19q13.3

Function bile-salt sulfotransferase activity; sulfotransferase activity; transferase activity;
transferase activity

**PDB rendering based
on 1efh.**



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