

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

acids

VIRDEDVIL TYPKSGTNWL AEILCLMHSK GDAKWIQSVW IVERSPPWVES
 EIGYTALSET ESPRLFSSHL PIQLFPKSFF SSKAKVIYLM RNPRDVLVSG
 YFFWKNMKFI KKPKSWEYF EWFCQGTPLY GSWFDHIHGW 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 sulfotransferase 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.

