

Recombinant Human SULT2B1, His-tagged

Cat. No. SULT2B1-2046H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SULT2B1, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 41.3 kDa (365aa).
Species	Human
Source	E.coli
Description	Sulfotransferase family cytosolic 2B member 1 isoform b, also known as SULT2B1, is a member of Sulfotransferase family. Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. SULT2B1b is localized in the cytosol and nuclei of human cells. SULT2B1b is selective for the sulfation of 3beta-hydroxysteroids such as dehydroepiandrosterone and pregnenolone, and may also have a role in cholesterol sulfation in human skin.
Form	Liquid. In 20mM Tris-HCl buffer (pH7.5) containing 10% glycerol.
Purity	> 85% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MDGPAEPQIP GLWDTYEDDI SEISQKLPGE YFRYKGVFPF VGLYSLESIS LAENTQDVRD DDIFIITYPK SGTTWMIEII CLILKEGDPSWIRSVPIWER

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APWCETIVGA FSLPDQYSPR LMSSHLPIQI FTKAFFSSKA KVIYMGRNPR
 DVVVSlyHYS KIAGQLKDPG TPDQFLRDFLKGEVQFGSWF DHIKGWLRMK
 GKDNFLFITY EELQQDLQGS VERICGFLGR PLGKEALGSV VAHSTFSAMK
 ANTMSNYTLL PPSLLDHRRGAFLRKGVCGD WKNHFTVAQS EAFDRAYRKQ
 MRGMPTFPWD EDPEEDGSPD PEPSPEPEPK PSLEPNTSLE REPRPNSSPS
 PSPGQASETPHPRPS.

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

[SULT2B1 sulfotransferase family, cytosolic, 2B, member 1 \[Homo sapiens \]](#)

Synonyms

sulfotransferase family, cytosolic, 2B, member 1; HSST2; SULT2B1; sulfotransferase family cytosolic 2B member 1; ST2B1; sulfotransferase 2B1; alcohol sulfotransferase; hydroxysteroid sulfotransferase 2; Hydroxysteroid sulfotransferase 2; Sulfotransferase 2B1; Alcohol sulfotransferase; EC 2.8.2.2

Gene ID

[6820](#)

mRNA Refseq

[NM_004605](#)

Protein Refseq

[NP_004596](#)

MIM

[604125](#)

UniProt ID

[O00204](#)

**Chromosome
Location**

19q13.3

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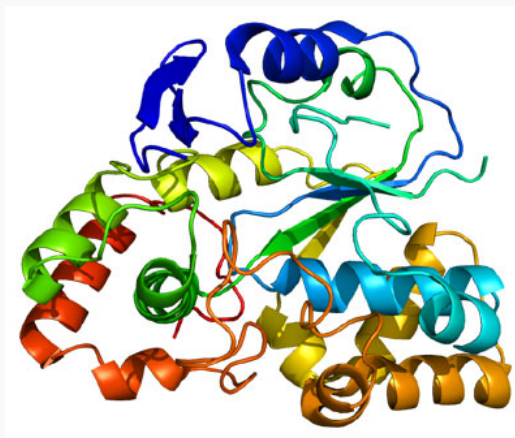
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Pathway Steroid hormone biosynthesis; Sulfur metabolism; Biological oxidations

Function alcohol sulfotransferase activity; protein binding; steroid sulfotransferase activity; transferase activity

PDB rendering based on 1q1q.



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