

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 YFRYKGVPPF VGLYSLEIS LAENTQDVRD DDIFIITYPK SGTWWMIEII CLILKEGDPSWIRSVPIWER

 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



APWCETIVGA FSLPDQYSPR LMSSHLPIQI FTKAFFSSKA KVIYMGRNPR
DVVVSPLYHYS KIAGQLKDPG TPDQFLRDFLKGEVQFGSWF DHIKGWLRMK
GKDNFLFITY EELQQDLQGS VERICGFLGR PLGKEALGSV VAHSTFSAMK
ANTMSNYTLL PPSLLDHRRGAFLRKGVC GD 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

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

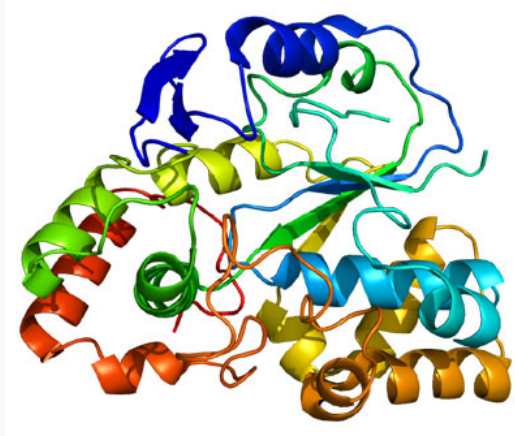
Email: info@creative-biomart.com Fax: 1-631-938-8127

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

Pathway Steroid hormone biosynthesis; Sulfur metabolism; Biological oxidations

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

PDB rendering based on 1q1q.



 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