

Recombinant Human Sulfotransferase Family, Cytosolic, 2B, Member 1

Cat. No. SULT2B1-1473H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SULT2B1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 365 amino acids (1-365 a.a.) and having a molecular mass of 41.3 kDa. SULT2B1 protein is purified by standard chromatography.
Species	Human
Source	Human
ProteinLength	1-365 a.a.
Description	SULT2B1 catalyzes the sulfate conjugation of numerous hormones, neurotransmitters, drugs and xenobiotic compounds. Sulfonation enhances the water solubility of molecules, and therefore their renal excretion, however it can also result in bioactivation to form active metabolites. 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 participates in cholesterol sulfation in human skin.
Form	(SULT2B1 Human solution containing 20mM Tris HCL pH-7.5, & 10% glycerol.
Purity	Greater than 85.0% as determined by SDS-PAGE
Physical Appearance	Sterile Filtered colorless solution.

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Amino acid sequence

MDGPAEPQIP GLWDTYEDDI SEISQKLPGE YFRYKGVFPF VGLYSLESIS
 LAENTQDVRD DDIFIITYPK SGTWWMIEII CLILKEGDPS WIRSVPIWER
 APWCETIVGA FSLPDQYSPR LMSSHLPIQI FTKAFFSSKA KVIYMGRNPR
 DVVVSLYHYS KIAGQLKDPG TPDQFLRDFL KGEVQFGSWF DHIKGWLRMK
 GKDNFLFITY EELQQDLQGS VERICGFLGR PLGKEALGSV VAHSTFSAMK
 ANTMSNYTLL PPSLLDHRRG AFLRKGVC GD WKNHFTVAQS EAFDRAYRKQ
 MRGMPTFPWD EDPEEDGSPD PEPSPEPEPK PSLEPNTSLE REPRPNSSPS
 PSPGQASETP HPRPS.

Storage

SULT2B1 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles

GENE INFORMATION
Gene Name

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

Official Symbol

[SULT2B1](#)

Synonyms

SULT2B1; sulfotransferase family, cytosolic, 2B, member 1; HSST2; 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](#)

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UniProt ID	O00204
Chromosome Location	19q13.3
Pathway	Steroid hormone biosynthesis; Sulfur metabolism; Biological oxidations
Function	alcohol sulfotransferase activity; protein binding; steroid sulfotransferase activity; transferase activity
PDBrendering based on 1q1q	