

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 YFRYKGVPPF VGLYSLESIS
 LAENTQDVRD DDIFIITYPK SGTTWMIEII 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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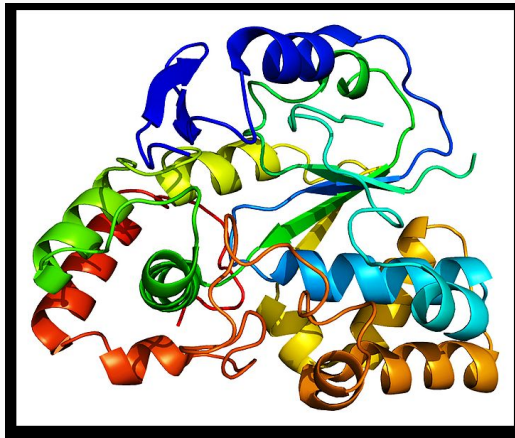
UniProt ID O00204

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



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