

# Product information



## SULT2B1, 1- 365 aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP0510

**Full name:** Sulfotransferase family cytosolic 2B member 1 isoform b

**NCBI Accession No.:** NP\_814444

**Synonyms:** HSST2, ST2B1

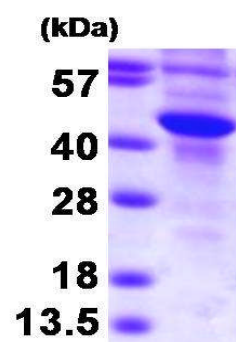
**Description:** Sulfotransferase family cytosolic 2B member 1 isoform b, also known as SULT2B1, is a member of Sulfotransferase family. Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different 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. Recombinant human SULT2B1, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH7.5) containing 10% glycerol

**Molecular Weight:** 41.3 kDa (365aa), confirmed by MALDI-TOF

**Purity:** > 85% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

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MDGPAEPQIP GLWDTYEDDI SEISQKLPGE YFRYKGVFPF VGLYSLESIS LAENTQDVRD DDIFIITYPK SGTTWMI EII 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 PSPGQASET P
HPRPS
```

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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## General references:

Dumas NA., *et al.* (2008) *J Steroid Biochem Mol Biol.* 111:171-7.

He D., *et al.* (2005) *Biolchim Biophys Acta.* 1724:11-26.

**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.

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