Recombinant human Sulfotransferase 2B1/SULT2B1 protein

Catalog Number: ATGP0510

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-365aa

UniProt No.
O00204

NCBI Accession No.
NP_814444

Alternative Names
Sulfotransferase family 2B member 1, Sulfotransferase 2B1, Alcohol sulfotransferase, Hydroxysteroid sulfotransferase 2, Sulfotransferase family cytosolic 2B member 1, ST2B1, HSST2

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
Non-Tagged

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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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.

Amino acid Sequence

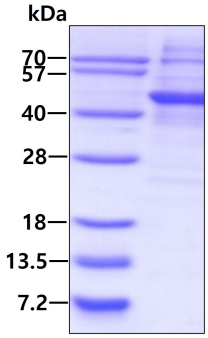
MDGPAEPQIP GLWDTYEDDI SEISQKLPGE YFRYKGVPFP VGLYSLESIS LAENTQDVRD DDIFIITYPK SGTTWMIEII CLILKEGDPS WIRSVPIWER APWCETIVGA FSLPDQYSPR LMSSHLPIQI FTKAFFSSKA KVIYMGRNPR DVVVSLYHYS KIAGQLKDPG TPDQFLRDFL KGEVQFGSWF DHIKGWLRMK GKDNFLFITY EELQQDLQGS VERICGFLGR PLGKEALGSV VAHSTFSAMK ANTMSNYTLL PPSLLDHRRG AFLRKGVCGD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

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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.