# NKMAXBIO We support you, we believe in your research

## Recombinant human Sulfotransferase 2B1/SULT2B1 protein

Catalog Number: ATGP0510

#### PRODUCT INFORMATION

### **Expression system**

E.coli

#### **Domain**

1-365aa

### **UniProt No.**

000204

#### **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



# NKMAXBio We support you, we believe in your research

# Recombinant human Sulfotransferase 2B1/SULT2B1 protein

Catalog Number: ATGP0510

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**

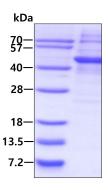
MDGPAEPQIP GLWDTYEDDI SEISQKLPGE YFRYKGVPFP VGLYSLESIS LAENTQDVRD DDIFIITYPK SGTTWMIEII CLILKEGDPS WIRSVPIWER APWCETIVGA FSLPDQYSPR LMSSHLPIQI FTKAFFSSKA KVIYMGRNPR DVVVSLYHYS KIAGQLKDPG TPDQFLRDFL KGEVQFGSWF DHIKGWLRMK GKDNFLFITY EELQQDLQGS VERICGFLGR PLGKEALGSV VAHSTFSAMK ANTMSNYTLL PPSLLDHRRG AFLRKGVCGD 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.

