NKMAXBio we support you, we believe in your research Recombinant human Sulfotransferase 1C2/SULT1C2 protein Catalog Number: ATGP0840

# **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-296aa

**UniProt No.** 000338

NCBI Accession No. NP\_001047

### **Alternative Names**

Sulfotransferase family 1C member 2, Sulfotransferase 1C2, ST1C2, Sulfotransferase 1C1, humSULTC2, SULT1C1, Sulfotransferase family cytosolic 1C member 1, Sulfotransferase family cytosolic 1C member 2

# **PRODUCT SPECIFICATION**

### **Molecular Weight**

37 kDa (316aa) confirmed by MALDI-TOF

**Concentration** 1mg/ml (determined by Bradford assay)

## Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

**Purity** > 90% by SDS-PAGE

Tag His-Tag

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

SuLT1C2, also known as Sulfotransferase 1C2, is a sulfotransferase1 superfamily. It catalyzes the transfer of sulfate from PAPS (3'-phosphoadenosine-5'-phosphosulfate) to phenol-containing compounds, including hormones and neurotransmitters. Two isoforms of SuLT1C2 designated short and long, exist as a result of alternative splicing events. Recombinant human SuLT1C2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



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#### **Amino acid Sequence**

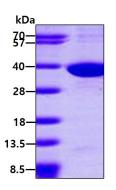
<MGSSHHHHHH SSGLVPRGSH> MALTSDLGKQ IKLKEVEGTL LQPATVDNWS QIQSFEAKPD DLLICTYPKA GTTWIQEIVD MIEQNGDVEK CQRAIIQHRH PFIEWARPPQ PSGVEKAKAM PSPRILKTHL STQLLPPSFW ENNCKFLYVA RNAKDCMVSY YHFQRMNHML PDPGTWEEYF ETFINGKVVW GSWFDHVKGW WEMKDRHQIL FLFYEDIKRD PKHEIRKVMQ FMGKKVDETV LDKIVQETSF EKMKENPMTN RSTVSKSILD QSISSFMRKG TVGDWKNHFT VAQNERFDEI YRRKMEGTSI NFCMEL

#### **General References**

Li X., et al. (2000). Biochem. Pharmacol. 60: 1713-1716 Dombrovski L, et al. (2006). Proteins 64: 1091-1094.

### DATA

### SDS-PAGE



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