

Recombinant human Sulfotransferase 1C2/SULT1C2 protein

Catalog Number: ATGP0840

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-296aa

UniProt No.

O00338

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

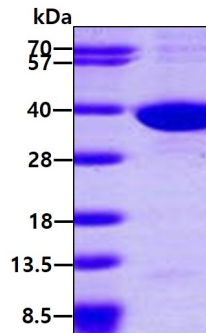
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YHFQRMNHML PDPGTWEEYF ETFINGKVWV GSWFDHVKGW WEMKDRHQIL FLFYEDIKRD PKHEIRKVMQ
FMGKKVDETV LDKIVQETSF EKMKENPMTN RSTVSKSILD QSISSFMRKG TVGDWKNHFT VAQNERFDEI YRRKMEGTSI
NFCMEL

General References

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

DATA

SDS-PAGE



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