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

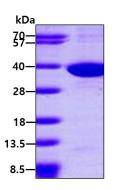
<MGSSHHHHHH SSGLVPRGSH> MALTSDLGKQ IKLKEVEGTL LQPATVDNWS QIQSFEAKPD DLLICTYPKA GTTWIQEIVD MIEQNGDVEK CQRAIIQHRH PFIEWARPPQ PSGVEKAKAM PSPRILKTHL STQLLPPSFW ENNCKFLYVA RNAKDCMVSY YHFQRMNHML PDPGTWEEYF ETFINGKVVW GSWFDHVKGW WEMKDRHQIL FLFYEDIKRD PKHEIRKVMQ FMGKKVDETV LDKIVQETSF EKMKENPMTN RSTVSKSILD QSISSFMRKG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