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Recombinant human Sulfotransferase 1B1/SULT1B1 protein

Catalog Number: ATGP1537

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-296aa

UniProt No.

043704

NCBI Accession No.

NP 055280

Alternative Names

Sulfotransferase family cytosolic 1B member 1, Sulfotransferase family, cytosolic, 1B, member 1, ST1B1, ST1B2, SuLT1B2, Thyroid hormone sulfotransferase

PRODUCT SPECIFICATION

Molecular Weight

37.4 kDa (320aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

Purity

> 95% 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

Sulfotransferase family, cytosolic, 1B, member 1, also known as SuLT1B1, is an enzyme that in humans is encoded by the SuLT1B1 gene. SuLT1B1 contains a binding site for the sulfate donor, 3-prime-phosphoadenosine 5-prime-phosphosulfate, and a cysteine residue conserved in the ST1 gene family of sulfotransferases. Sulfotransferases such as SuLT1B1 catalyze the biotransformation of a large number of endogenous compounds such as neurotransmitters, steroids, bile acids, and thyroid hormones, as well as drugs and xenobiotics.



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Recombinant human SuLT1B1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

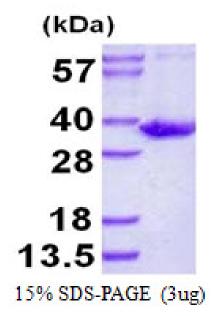
MGSSHHHHHH SSGLVPRGSH MGSHMLSPKD ILRKDLKLVH GYPMTCAFAS NWEKIEQFHS RPDDIVIATY PKSGTTWVSE IIDMILNDGD IEKCKRGFIT EKVPMLEMTL PGLRTSGIEQ LEKNPSPRIV KTHLPTDLLP KSFWENNCKM IYLARNAKDV SVSYYHFDLM NNLQPFPGTW EEYLEKFLTG KVAYGSWFTH VKNWWKKKEE HPILFLYYED MKENPKEEIK KIIRFLEKNL NDEILDRIIH HTSFEVMKDN PLVNYTHLPT TVMDHSKSPF MRKGTAGDWK NYFTVAQNEK FDAIYETEMS KTALQFRTEI

General References

Meinl W., et al. (2001) Biochem Biophys Res Commun. 288(4):855-62. Glatt H., et al. (2000) Toxicol Lett. 113: 341-8.

DATA

SDS-PAGE



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