

Recombinant human Sulfotransferase 1A2/SULT1A2 protein

Catalog Number: ATGP1135

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-295aa

UniProt No.

P50226

NCBI Accession No.

NP_001045

Alternative Names

Sulfotransferase family 1A member 2, ST1A2, Aryl sulfotransferase 2, Phenol sulfotransferase 2, Phenol-sulfating phenol sulfotransferase 2, P-PST 2, STP2, sulfotransferase family cytosolic 1A phenol-preferring member 2, HAST4

PRODUCT SPECIFICATION

Molecular Weight

36.4 kDa (315aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

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 1A2, also known as SuLT1A2, is a member of sulfotransferase family. Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. It mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk. Recombinant human SuLT1A2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques

Recombinant human Sulfotransferase 1A2/SULT1A2 protein

Catalog Number: ATGP1135

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MELIQDISRP PLEYVKGVPL IKYFAEALGP LQSFQARPDD LLISTYPKSG TTWVSQILDM
IYQGGDLEKC HRAPIFMRVP FLEFKVPGIP SGMETLKNTAPRLLKTHLP LALLPQTLTD QKVKVYVVAR NAKDVAVSYY
HFYHMAKVYP HPGTWESFLE KFMAGEVSYG SWYQHVVQEW ELSRTHPVLY LFYEDMKENP KREIQKILEF VGRSLPEETV
DLMVEHTSFK EMKKNPMTNY TTVRREFMDH SISPFMRKGM AGDWKTTFTV AQNERFDADY AEKMAGCSLS FRSEL

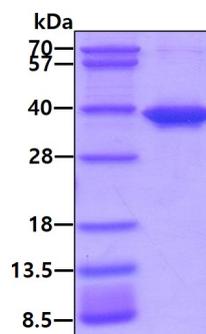
General References

Weinshilboum R M., et al. (1997) FASEB J. 11(1):3-14.

Carlini E J., et al. (2001) Pharmacogenetics. 11(1):57-68.

DATA

SDS-PAGE



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