

AR39075PU-N

Human SULT1A2 (1-295, His-tag) - Purified

Alternate names:

Aryl sulfotransferase 2, P-PST 2, Phenol sulfotransferase 2, Phenol-sulfating phenol sulfotransferase 2, ST1A2, STP2, Sulfotransferase 1A2

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P50226](#)

NCBI:

[NP_001045](#)

GeneID:

[6799](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Description:

Recombinant human SULT1A2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MELIQDISRP PLEYVKGVPL IKYFAEALGP LQSFQARPD
LLISTYPKSG TTWVSQILDM IYQGGDLEKC HRAPIFMRVP FLEFKVPGIP SGMETLKNT
APRLKTHLP LALLPQTLLD QKVKKVYVAR NAKDVAVSYY HFYHMAKVYP HPGTWESFLE
KFMAGEVSYG SWYQHVQEWV ELSRTHPVLY LFYEDMKENP KREIQKILEF VGRSLPEETV
DLMVEHTSFK EMKKNPMTNY TTVRREFMDH SISPFMRKGM AGDWKTTFTV AQNERFDADY
AEKMAGCSLS FRSEL

Molecular weight: 36.4 kDa (315aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

Recombinant human SULT1A2, 1-295 aa,
His-tagged

