

Recombinant Human SULT1A2, His-tagged

Cat. No. SULT1A2-3576H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SULT1A2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-295 aa).
Species	Human
Source	E.coli
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl
Molecular Weight	36.4 kDa (315aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MELIQDISRP PLEYVKGVPL IKYFAEALGP LQSFQARPDD LLISTYPKSG TTWVSQILDM IYQGGDLEKC HRAPIFMRVP

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FLEFKVPGIP SGMETLKNTAPRLLKTHLP LALLPQTLLD QKVKVYVAR
 NAKDVAVSYY HFYHMAKVYP HPGTWESFLE KFMAGEVSYG SWYQHVQEW
 ELSRTHPVLY LFYEDMKENP KREIQKILEF VGRSLPEETV DLMVEHTSFK
 EMKKNPMTNY TTVRREFMDH SISPFMRKGM AGDWKTTFTV AQNERFDADY
 AEKMAGCSLS FRSEL

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

SULT1A2 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2 [Homo sapiens]

Official Symbol

SULT1A2

Synonyms

SULT1A2; STP2; HAST4; P-PST; ST1A2; MGC142287; MGC142289; sulfotransferase 1A2; sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2; P-PST 2; OTTHUMP00000045745; OTTHUMP00000236243; aryl sulfotransferase 2; phenol sulfotransferase 2; arylamine sulfotransferase; thermostable phenol sulfotransferase; EC 2.8.2.1; phenolic-metabolizing (P) form of PST; TSPST2; phenol-preferring phenol sulfotransferase2; phenol-sulfating phenol sulfotransferase 2; Sulfotransferase 1A2; Aryl sulfotransferase 2; Phenol sulfotransferase 2; Phenol-sulfating phenol sulfotransferase 2

Gene ID

6799

mRNA Refseq

NM_001054

Protein Refseq

NP_001045

MIM

601292

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UniProt ID	P50226
Chromosome Location	16p12.1
Function	aryl sulfotransferase activity; flavonol 3-sulfotransferase activity; sulfotransferase activity; transferase activity
PDBrendering based on 1cjm.	