

## Recombinant Human SULT1A2, His-tagged

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

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | 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).                                                                                                                                                                                                                 |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>              | 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. |
| <b>Form</b>                     | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl                                                                                                                                                                                                                                                                                                |
| <b>Molecular Weight</b>         | 36.4 kDa (315aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>                   | > 95% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>            | 1 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                                              |
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSGLVPRGSH MELIQDISRP PLEYVKGVPL IKYFAEALGP<br>LQSFQARPDD LLISTYPKSG TTWVSQILDM IYQGGDLEKC HRAPIFMRVP                                                                                                                                                                                                                                                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>UniProt ID</b>          | P50226                                                                                                                |
| <b>Chromosome Location</b> | 16p12.1                                                                                                               |
| <b>Function</b>            | aryl sulfotransferase activity; flavonol 3-sulfotransferase activity; sulfotransferase activity; transferase activity |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA