# 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

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### Amino acid Sequence

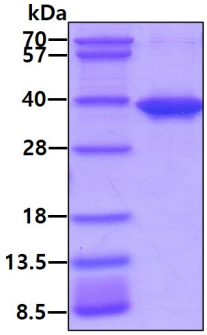
<MGSSHHHHHH SSGLVPRGSH> MELIQDISRP PLEYVKGVPL IKYFAEALGP LQSFQARPDD LLISTYPKSG TTWVSQILDM IYQGGDLEKC HRAPIFMRVP FLEFKVPGIP SGMETLKNTP APRLLKTHLP LALLPQTLLD QKVKVVYVAR NAKDVAVSYY HFYHMAKVYP HPGTWESFLE KFMAGEVSYG SWYQHVQEWW ELSRTHPVLY LFYEDMKENP KREIQKILEF VGRSLPEETV DLMVEHTSFK EMKKNPMTNY TTVRREFMDH SISPFMRKGM 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




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