

Full-Length

SULT1A2 (Human) Recombinant Protein

Catalog # P3722

Size 100 ug

Specification

Product Description	Human SULT1A2 (NP_001045, 1 a.a. - 295 a.a.) full-length recombinant protein with His tag expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMELIQDISRPPLEYVKGVPLIKYFAEALGPLQSFQARPDDLITY PKSGTTWVSQILDMIYQGGDLEKCHRAPIFMRVPFLEFKVPGIPSGMETLKNTAPAPRLKTHLPLAL LPQTLLDQKVKKVYVARNADVAVSYYHFYHMAKVYPHPGTWESFLEKFMAGEVSYGSWYQHV QEWWELSRTHPVLVLFYEDMKENPKREIQKILEFVGRSLPEETVDLMVEHTSFKEMKKNPMTNYT TVRREFMDHSISPFMRKGMAGDWKTTFTVAQNERFDADYAEKMAGCSLSFRSEL
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	36.4
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Conventional Chromatography
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Storage Buffer	In 20 mM Tris-HCl buffer, 0.1 M NaCl, pH 8.0 (1 mM DTT, 10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — SULT1A2

Entrez GeneID [6799](#)

Protein Accession# [NP_001045](#)

Gene Name SULT1A2

Gene Alias HAST4, MGC142287, MGC142289, P-PST, ST1A2, STP2, TSPST2

Gene Description sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2

Omim ID [601292](#)

Gene Ontology [Hyperlink](#)

Gene Summary Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene encodes one of two phenol sulfotransferases with thermostable enzyme activity. Two alternatively spliced variants that encode the same protein have been described. [provided by RefSeq]

Other Designations aryl sulfotransferase|arylamine sulfotransferase|phenol-preferring phenol sulfotransferase2|phenol-sulfating phenol sulfotransferase 2|phenolic-metabolizing (P) form of PST|thermostable phenol sulfotransferase

Pathway

- [Sulfur metabolism](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cell Transformation](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)

- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)