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 *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMELIQDISRPPLEYVKGVPLIKYFAEALGPLQSFQARPDDLLISTY PKSGTTWVSQILDMIYQGGDLEKCHRAPIFMRVPFLEFKVPGIPSGMETLKNTPAPRLLKTHLPLAL LPQTLLDQKVKVVYVARNAKDVAVSYYHFYHMAKVYPHPGTWESFLEKFMAGEVSYGSWYQHV QEWWELSRTHPVLYLFYEDMKENPKREIQKILEFVGRSLPEETVDLMVEHTSFKEMKKNPMTNYT TVRREFMDHSISPFMRKGMAGDWKTTFTVAQNERFDADYAEKMAGCSLSFRSEL
Host	Escherichia coli
Theoretical MW (kDa)	36.4
Form	Liquid
Preparation Method	*Escherichia coli* 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

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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 distributio ns and substrate specificities. The gene structure (number and length of exons) is similar among f amily members. This gene encodes one of two phenol sulfotransferases with thermostable enzym e activity. Two alternatively spliced variants that encode the same protein have been described. [p rovided 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 sulf otransferase

Pathway

- Sulfur metabolism

Disease

- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Cell Transformation
- Colon cancer
- Colonic Neoplasms

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- 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

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