

Cytosolic Sulfotransferase Family 1A Member 1 Recombinant Protein | SULT1A1 recombinant protein

Recombinant Human Cytosolic Sulfotransferase Family 1A Member 1 Protein

CATALOG # AAA22127	HOST E.coli
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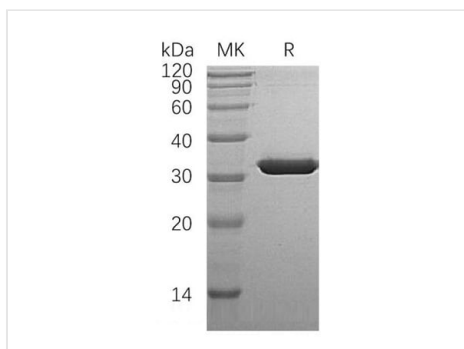
PRODUCT SYNONYMS

Cytosolic Sulfotransferase Family 1A Member 1; Recombinant Human Cytosolic Sulfotransferase Family 1A Member 1 Protein; Sulfotransferase 1A1; ST1A1; Aryl sulfotransferase 1; HAST1/HAST2; Phenol Sulfotransferase 1; Phenol-Sulfating Phenol Sulfotransferase 1; P-PST 1; ST1A3; Thermostable Phenol Sulfotransferase; Ts-PST; SULT1A1; STP; STP1; OK/SW-cl.88; SULT1A1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95 % as determined by reducing SDS-PAGE.
Form/Format	Supplied as a 0.2um filtered solution of 20mM Tris-HCl, 150mM NaCl, 2mM DTT, pH 8.0.
Concentration	0.96 mg/mL (varies by lot)
Sequence Positions	Met 1-Leu295
Species	Human
Tag	N-6His
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Accession	AAH00923.1
Preparation and Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SULT1A1 recombinant protein	Protein Construction: Recombinant Human Cytosolic Sulfotransferase Family 1A Member 1 is produced by our E Coli expression system and the target gene encoding Met1-Leu295 is expressed with a 6His tag at the N-terminus. Background: Sulfotransferase 1A1 (SULT1A1) is a cytosolic sulfotransferases that is expressed in the liver, lung, adrenal, brain, platelets, and skin. SULT1A1 is a phenol sulfotransferases with thermostable enzyme activity. SULT1A1 utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of catecholamines, phenolic drugs and neurotransmitters. It is responsible for the sulfonation and activation of minoxidil. SULT1A1 mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29540531
NCBI GeneID	6817
NCBI Accession #	NP_001046.2
NCBI GenBank Nucleotide #	NM_001055.3
UniProt Accession #	P50225; Q2NL71; Q86U58; Q92818; Q9BVU6; Q9UGG7
Molecular Weight	Mol_Mass: 35.6kDa AP_Mol_Mass: 32 kDa
NCBI Official Full Name	sulfotransferase 1A1 isoform a
NCBI Official Synonym Full Names	sulfotransferase family 1A member 1
NCBI Official Symbol	SULT1A1
NCBI Official Synonym Symbols	PST; STP; STP1; P-PST; ST1A1; ST1A3; TSPST1; HAST1/HAST2
NCBI Protein Information	sulfotransferase 1A1
UniProt Protein Name	Sulfotransferase 1A1
UniProt Gene Name	SULT1A1
UniProt Synonym Gene Names	STP; STP1; ST1A1; P-PST 1; Ts-PST

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.