

Recombinant Human SULT1A1 Protein, His-tagged

Cat. No. SULT1A1-2012H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SULT1A1 Protein is produced by E. coli expression system. The target protein is expressed with sequence (Met1-Leu295) of human SULT1A1 (Accession #NP_001046.2) fused with a 6xHis tag at the C-terminus.
Species	Human
Source	E.coli
ProteinLength	Met1-Leu295
Description	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. Multiple alternatively spliced variants that encode two isoforms have been identified for this gene.
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5 % mannitol.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90% as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [SULT1A1 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1 \[Homo sapiens \]](#)

Official Symbol [SULT1A1](#)

Synonyms SULT1A1; sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1; STP, STP1; sulfotransferase 1A1; P PST; ts-PST; P-PST 1; aryl sulfotransferase 1; thermostable phenol sulfotransferase1; phenol-sulfating phenol sulfotransferase 1; PST; STP; STP1; P-PST; ST1A1; ST1A3; TSPST1; HAST1/HAST2; MGC5163; MGC131921;

Gene ID [6817](#)

mRNA Refseq [NM_001055](#)

Protein Refseq [NP_001046](#)

MIM [171150](#)

UniProt ID [P50225](#)

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