

## Active Recombinant Human SULT1A1 Protein, His-tagged

Cat. No. SULT1A1-24H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SULT1A1 Protein (Glu2-Leu295) with an N-terminal Met and 6-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	2-295 a.a.
<b>Description</b>	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.
<b>Bio-activity</b>	Measured by its ability to transfer sulfate from PAPS to 1-Naphthol. The specific activity is >30 pmol/min/ µg, as measured under the described conditions.
<b>Molecular Mass</b>	35 kDa
<b>N-terminal Sequence Analysis</b>	His

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<b>Endotoxin</b>	< 1.0 EU/ µg of the protein by the LAL method.
<b>Purity</b>	> 95% by SDS-PAGE under reducing conditions and visualized by silver stain
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -70 centigrade as supplied. 3 months, -70 centigrade under sterile conditions after opening.
<b>Storage Buffer</b>	Supplied as a 0.2 µm filtered solution in Tris, NaCl and DTT.
<b>Shipping</b>	The product is shipped with dry ice or equivalent.

## GENE INFORMATION

<b>Gene Name</b>	SULT1A1 sulfotransferase family 1A member 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SULT1A1 sulfotransferase family 1A member 1 [ Homo sapiens (human) ]
<b>Synonyms</b>	SULT1A1; sulfotransferase family 1A member 1; PST; STP; STP1; P-PST; ST1A1; ST1A3; TSPST1; ts-PST; P-PST 1; HAST1/HAST2; sulfotransferase 1A1; aryl sulfotransferase 1; phenol-sulfating phenol sulfotransferase 1; sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1; thermostable phenol sulfotransferase1; EC 2.8.2.1
<b>Gene ID</b>	6817
<b>mRNA Refseq</b>	NM_001055
<b>Protein Refseq</b>	NP_001046
<b>MIM</b>	171150

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