

Recombinant Human SULT1A3 Protein, HIS-tagged

Cat. No. SULT1A3-112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SULT1A3 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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 a phenol sulfotransferase with thermolabile enzyme activity. Four sulfotransferase genes are located on the p arm of chromosome 16; this gene and SULT1A4 arose from a segmental duplication. This gene is the most centromeric of the four sulfotransferase genes. Read-through transcription exists between this gene and the upstream SLX1A (SLX1 structure-specific endonuclease subunit homolog A) gene that encodes a protein containing GIY-YIG domains.
Form	Supplied as a 0.2 μM filtered solution of 20mM Tris, 0.1M NaCl, pH 8.0
Molecular Mass	35.6kD
AA Sequence	MNHKVVHHHHHHMELIQDTSRPPLEYVKGVP LIKYFAEALGPLQSFQARPDLLINTY PKSGTTWVSQILDMIYQGGDLEKCNRAPIYVRVPFLEVNDPGEPSGLET LKDTPPPR LIKSHLPLALLPQTLLDQKV KVVYVARNP KDVAVSYYHFHRMEKAHPEPGTWDSFLE

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KFMAGEVSYGSWYQHVQEWWELSRTHPVLVLYFYEDMKENPKREIQKILEFVGRSLP
EETMDFMVQHTSFKEMKKNPMTNYTTVP

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

GENE INFORMATION

Gene Name SULT1A3 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3 [Homo sapiens]

Official Symbol SULT1A3

Synonyms SULT1A3; sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3; STM; sulfotransferase 1A3/1A4; TL PST; sulfokinase; phenol sulfotransferase 1A5; aryl sulfotransferase 1A3/1A4; dopamine-specific sulfotransferase; placental estrogen sulfotransferase; monoamine-sulfating phenosulfotransferase; catecholamine-sulfating phenol sulfotransferase; thermolabile (monoamine, M form) phenol sulfotransferase; HAST; HAST3; M-PST; ST1A5; TL-PST; ST1A3/ST1A4; MGC117469;

Gene ID 6818

mRNA Refseq NM_177552

Protein Refseq NP_808220

MIM 600641

UniProt ID P50224

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