

Recombinant Human SULT1A4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SULT1A4-583H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SULT1A4 MS Standard C13 and N15-labeled recombinant protein (NP_001017391) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 SULT1A3 arose from a segmental duplication. Read-through transcription exists between this gene and the upstream SLX1B (SLX1 structure-specific endonuclease subunit homolog B) gene that encodes a protein containing GIY-YIG domains.
Molecular Mass	34.2 kDa
AA Sequence	MELIQDTSRPPLEYVKGVPLIKYFAEALGPLQSFQARPDDLINTYPKSGTTWVSQIL DMIYQGGDLEKCNRAPIYVRVPFLEVNDPGEPSGLETCLKDTPPPRLIKSHLPLALLPQ TLLDQKVQVVVYARNPKDVAVSYYHFHRMEKAHPEPGTWDSFLEKFMAGEVSYGS WYQHVQEWELSRTHPVLYLFYEDMKENPKREIQKILEFVGRSLPEETMDFMVQH

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TSFKEMKKNPMTNYTTVPQELMDHSISPFMRKGMAGDWKTTFTVAQNERFDADYA
EKMAGCSLSFRSELTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SULT1A4 sulfotransferase family 1A member 4 [Homo sapiens (human)]

Official Symbol SULT1A4

Synonyms SULT1A4; sulfotransferase family 1A member 4; STM; HAST3; M-PST; ST1A3; ST1A4; TL-PST; ST1A3/ST1A4; sulfotransferase 1A4; SLX1B-SULT1A4; Sulfotransferase 1A3; aryl sulfotransferase 1A3/1A4; catecholamine-sulfating phenol sulfotransferase; monoamine-sulfating phenol sulfotransferase; placental estrogen sulfotransferase; sulfokinase; sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4; sulfotransferase, monoamine-preferring; thermolabile phenol sulfotransferase; EC 2.8.2.1

Gene ID 445329

mRNA Refseq NM_001017390

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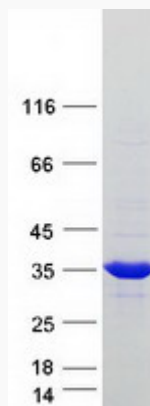
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Protein Refseq NP_001017391

MIM 615819

UniProt ID P0DMM9

SDS-PAGE



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