

Recombinant Human SULT1A2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SULT1A2-3967H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SULT1A2 MS Standard C13 and N15-labeled recombinant protein (NP_803564) 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 one of two phenol sulfotransferases with thermostable enzyme activity. Two alternatively spliced variants that encode the same protein have been described.
Molecular Mass	34.3 kDa
AA Sequence	MELIQDISRPPELYVKGVP LIKYFAEALGPLQSFQARPDDL ISTYPKSGTTWVSQILD MIYQGGDLEKCHRAPIFMRVPFLEFKVPGIPSGMETLKNT PAPRL LKTHLPLALLPQT LLDQKV KVVYVARNAKDVAVSYYHFYHMAKVYPHPGTWESFLEKFMAGEVSYGSW YQHVQEWWELSRTHPVLYLFYEDMKENPKREIQKILEFVGRSLPEETVDLMVEHTS FKEMKKNPMTNYTTVRREFMDHSISP FMRKGMAGDWKTTFTVAQNERFDADYAEK MAGCSLSFRSELTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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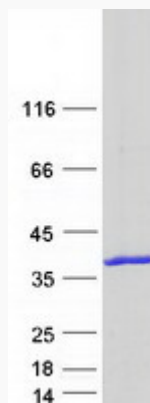
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	SULT1A2 sulfotransferase family 1A member 2 [Homo sapiens (human)]
Official Symbol	SULT1A2
Synonyms	SULT1A2; sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2; STP2; sulfotransferase 1A2; HAST4; P-PST 2; aryl sulfotransferase 2; phenol sulfotransferase 2; arylamine sulfotransferase; thermostable phenol sulfotransferase; phenolic-metabolizing (P) form of PST; phenol-preferring phenol sulfotransferase2; phenol-sulfating phenol sulfotransferase 2; P-PST; ST1A2; TSPST2; MGC142287; MGC142289;
Gene ID	6799
mRNA Refseq	NM_177528
Protein Refseq	NP_803564
MIM	601292
UniProt ID	P50226

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SDS-PAGE

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