

Recombinant Human SULT1A1 protein, GST-tagged

Cat. No. SULT1A1-3046H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SULT1A1 protein(1-295 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-295 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MELIQDTSRPPLEYVKGVP LIKYFAEALGPLQSFQARPDDL ISTYPKSGTTWVSQIL DMIQGGDLEKCHRAPIFMRVPFLEFKAPGIPSGMETLKDTPAPRLLKTHLPLALLPQ TLLDQKVKVYVARNAKDVAVSYYHFYHMAKVHPEPGTWDSFLEKFMVGEVSYGS WYQHVQEWWELSRTHPVLYLFYEDMKENPKREIQKILEFVGHS LPEETVDFVQHT SFKEMKKNPMTNYTTVPQEFMDHSISPFMRKGMAGDWKTTFTVAQNERFDADYAE KMAGCSLSFRSEL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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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