

Recombinant Human TPST1 protein, His-tagged

Cat. No. TPST1-51H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TPST1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	TPST1, also known as protein-tyrosine sulfotransferase 1, is the enzyme that catalyzes the sulfation reaction of protein tyrosines, a post-translational modification of proteins. It utilizes 3"-Phosphoadenosine-5"-phosphosulfate (PAPS) as the sulfonate donor and binds proteins with target tyrosine residues to eventually form the tyrosine O-sulfate ester group and the desulfonated 3"-phosphoadenosine-5"-phosphate (PAP).
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	40.6kDa (354aa)40-57KDa (SDS–PAGE under reducing conditions.)
AA Sequence	ADPQHAMECH HRIEERSQPV KLESTRTTVR TGLDLKANKT FAYHKDMPLI FIGGVPRSGT TLMRAMLDAH PDIRCGEETR VIPRILALKQMWSRSSKEKI RLDEAGVTDE VLDSAMQAFL LEIIVKHGEP APYLCNKDPF ALKSLTYLSR LFPNAKFLLM VRDGRASVHS MISRKVTIAGFDLNSYRDCL TKWNRAIETM YNQCMVEVGK KCMLVHYEQL VLHPERWMRT LLKFLQIPWN HSVLHHEEMI GKAGGVSLSK VERSTDQVIKPVNVGALSKW VGKIPPDVLQ DMAVIAPMLA KLGYPYANP PNYGKPDPKI IENTRRVYKG EFQLPDFLKE KPQTEQVEHH HHHH

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Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	TPST1 tyrosylprotein sulfotransferase 1 [Homo sapiens]
Official Symbol	TPST1
Synonyms	TPST1; tyrosylprotein sulfotransferase 1; TPST-1
Gene ID	8460
mRNA Refseq	NM_003596
Protein Refseq	NP_003587
MIM	603125
UniProt ID	O60507
Chromosome Location	7q11.21
Function	protein-tyrosine sulfotransferase activity; transferase activity;

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