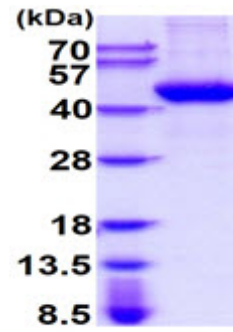


AR52058PU-N**Human TPST1 (26-370, His-tag) - Purified**

Alternate names:	Protein-tyrosine sulfotransferase 1, TPST-1, Tyrosylprotein sulfotransferase-1
Quantity:	0.1 mg
Concentration:	0.25 mg/ml (determined by absorbance at 280nm)
Background:	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 sulfate donor and binds proteins with target tyrosine residues to eventually form the tyrosine O-sulfate ester group and the desulfated 3'-phosphoadenosine-5'-phosphate (PAP). Recombinant human TPST1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Uniprot ID:	O60507
NCBI:	NP_003587
Species:	Human
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol. Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)
Description:	AA Sequence: ADPQHAMECH HRIEERSQPV KLESTRITVR TGLDLKANKT FAYHKDMPLI FIGGVPRSGT TLMRAMLDH PDIRCGEETR VIPRILALKQ MWSRSSKEKI RLDEAGVTDE VLDSAMQAFI LEIIVKHGEP APYLCNKDPF ALKSLTYLSR LFPNAKFLM VRDGRASVHS MISRKVTIAG FDLNSYRDCL TKWNRAIETM YNQCMEVGK KCLMVHYEQL VLHPERWMRT LLKFLQIPWN HSLVHHEEMI GKAGGVSLSK VERSTDQVIK PVNMGALSKW VGKIPPDVLQ DMAVIAPMLA KLGYPYANP PNYGKDPKI IENTRRVYKG EFQLPDFLKE KPQTEQVEHH HHHH Molecular weight: 40.6 kDa (354aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Ouyang Y.B., et al. (1998) Proc Natl Acad Sci USA. 95:2896-2901. Danan L.M., et al. (2008) J. Am. Soc. Mass. Spectrom. 19:1459-1466.

Pictures:



15% SDS-PAGE (3ug)