

AR51853PU-S**Human TPST1 (26-370, His-tag) - Purified**

Alternate names:	Protein-tyrosine sulfotransferase 1, TPST-1, Tyrosylprotein sulfotransferase-1
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	TPST1 also known as protein-tyrosine sulfotransferase 1. Tyrosylprotein Sulfotransferase 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).
Uniprot ID:	O60507
NCBI:	NP_003587
GeneID:	8460
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol.
Description:	Recombinant human TPST1 fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHHH SGLVPRGSH TGSMQHAMEC HHRIEERSQP VKLESTRRTTV RTGLDLKANK TFAYHKDMPL IFIGGVPRSG TTLMRAMLDA HPDIRCGEET RVIPRILALK QMWSRSSKEK IRLDEAGVTD EVLDSAMQAF LLEIIVKHGE PAPYLCNKDP FALKSLTYLS RLFNPAKFLFLL MVRDGRASVH SMISRKVITIA GFDLNSYRDC LTKWNRAIET MYNQMEVGY KKCMLVHYEQ LVLHPERWMR TLLKFLQIPW NHSVLHHEEM IGKAGGVLSL KVERSTDQVI KPVNVGALSK WVGKIPPDVL QDMAVIAPML AKLGYDPYAN PPNYGKPPDK IIENTRRVYK GEFQLPDFLK EKPQTEQVE Molecular weight: 42 kDa (369aa)
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) roc. Natl. Acad. Sci. u.S.A. 95:2896-2901
Pictures:	