

Product information

TPST1, 26-370aa

Human, His-tagged, Recombinant, *E.coli*

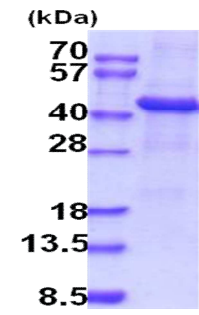
Cat. No. IBATGP3033

Full name: Protein-tyrosine sulfotransferase 1

NCBI Accession No.: NP_003587

Synonyms: TANGO13A

Description: 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). Recombinant human TPST1 fused to His-tag at N-terminus, was expressed in *E.coli*.

<p>Form: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol</p> <p>Molecular Weight: 42kDa (369aa)</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 1mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHH SSGLVPRGSH TGSMQHAMEC HHRIEERSQP VKLESTRTTV RTGLDLKANK TFAYHKDMPL IFIGGVPRSG TTLMRAMLDA HPDIRCGEET RVIPRILALK QMWSRSSKEK IRLDEAGVTD EVLDSAMQAF LLEIIVKHGE PAPYLCKNDP FALKSLTYLS RLFNPAKFL MVRDGRASVH SMISRKVTIA GFDLNSYRDC LTKWNRAIET MYNQCMVEGY KKCMLVHYEQ LVLHPERWMR TLLKFLQIPW NHSVLHHEEM IGKAGGVSLK KVERSTQVI KPVNVGALSK WVGKIPDVL QDMAVIAPML AKLGYDPYAN PPNYGKPDPK I IENTRRVYK GEFQLPDFLK EKPQTEQVE</p>	

General references:

Ouyang Y.-B., *et al.* (1998) *roc. Natl. Acad. Sci. U.S.A.* 95:2896-2901

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
 Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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