

TPST1, 26-370aa, Human, His tag, E.coli**Cat.NO.: TP04293**

3th Edition

Synonyms:Protein-tyrosine sulfotransferase 1, 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.

Form:Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol.

Molecular Weight:42kDa (369aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHTGSMQHAMECHHRIEERSQPVKLESTRTTVRTGLDLKANKTFAYHKDMPLIFIGG
VPRSGTTLMRAMLDAHPDIRCGEETRVIPRILALKQMWSRSSKEKIRLDEAGVTDEVLD SAMQAFLEIIVKHGEPAP
YLCNKDPFALKSLTYLSRLFPNAKFLLMVRDGRASVHSMISRKVTIAGFDLNSYRDCLTKWNRAIETMYNQCM EVG
YKKCMLVHYEQLVLHPERWMRTLLKFLQIPWNH SVLHHEEMIGKAGGVSLSKVERSTDQVIKPVNVGALSKWVGKI
PPDVLQDMAVIAPMLAKLGYPYANPPNYGKPD PKIIENTRRVYKGEFQLPDLKEKPQTEQVE

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.