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32-6934: TPST1 Human

Alternative Name :	Tyrosylprotein Sulfotransferase 1, EC 2.8.2.20, TPST-1, Transport And Golgi Organization 13 Homolog A (Drosophila), Transport And Golgi Organization 13 Homolog A, Protein-Tyrosine Sulfotransferase 1, Tyrosylprotein Sulfotransferase-1, TANGO13A, TPST1.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
Tyrosylprotein Sulfotransferase 1, also known as TPST1 is the enzyme which catalyzes the sulfation reaction of protein tyrosines, a post-translational modification of proteins. TPST1 belongs to the protein sulfotransferase family. In addition, TPST1 utilizes 3'-Phosphoadenosine-5'-phosphosulfate (PAPS) as the sulfonate donor and also binds proteins with target tyrosine residues to eventually form the tyrosine O-sulfate ester group in addition to the desulfonated 3Â’-phosphoadenosine-5Â’-phosphate.
TPST1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 369 amino acids (26-370 a.a) and having a molecular mass of 42kDa.TPST1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	TPST1 protein solution (1mg/ml) containing 20mM Tris-HCl (pH 8.0) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH TGSMQHAMEC HHRIEERSQP VKLESTRTTV RTGLDLKANK TFAYHKDMPL IFIGGVPRSG TTLMRAMLDA HPDIRCGEET RVIPRILALK QMWSRSSKEK IRLDEAGVTD EVLDSAMQAF LLEIIVKHGE PAPYLCNKDP FALKSLTYLS RLFPNAKFLL MVRDGRASVH SMISRKVTIA GFDLNSYRDC LTKWNRAIET MYNQCMEVGY KKCMLVHYEQ LVLHPERWMR TLLKFLQIPW NHSVLHHEEM IGKAGGVSLS KVERSTDQVI KPVNVGALSK WVGKIPPDVL QDMAVIAPML AKLGYDPYAN PPNYGKPDPK IIENTRRVYK GEFQLPDFLK EKPQTEQVE.

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