

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 3'-phosphoadenosine-5'-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 SSSLVPRGSH TGSMQHAMEC HHRIEERSQP VKLESTRRTV RTGLDLKANK
TFAYHKDMPL IFIGGVPRSG TTLMRAMLDA HPDIRCGEET RVIPRILALK QMWSRSSKEK IRLDEAGVTD
EVLDSAMQAF LLEIIVKHGE PAPYLCNKDP FALKSLTYLS RLFNPAKFL MVRDGRASVH SMISRKVITIA
GFDLNSYRDC LTKWNRAIET MYNQCMVEGY KKCMLVHYEQ LVLHPERWMR TLLKFLQIPW
NHSVLHHEEM IGKAGGVSL S KVERSTDQVI KPVNVGALSK WVGKIPPDVL QDMAVIAPML AKLGYDPYAN
PPNYGKPPDK IENTRRVYK GEFQLPDFLK EKPQTEQVE.