

32-6935: TPST1 Human, sf9

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, Tyrosylprotein Sulfotransferase-1, TANGO13A.

Description

Source: Sf9, Baculovirus cells.

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 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 354 amino acids (26-370 a.a.) and having a molecular mass of 40.6kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions).

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : TPST1 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) 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 : ADPQHAMECH HRIEERSQPV KLESTRTTVR TGLDLKANKT FAYHKDMPLI FIGGVPRSGT TLMRAMLDAH PDIRCGEETR VIPRILALKQ MWSRSSKEKI RLDEAGVTDE VLDSAMQAFL LEIVKHGEP APYLCNKDPF ALKSLTYLSR LFPNAKFLM VRDGRASVHS MISRKVTIAG FDLNSYRDCL TKWNRAIETM YNQCMEVGKY KCMLVHYEQL VLHPERWMRT LLKFLQIPWN HSVLHHEEMI GKAGGVSLSK VERSTDQVIK PVNVGALSKW VGKIPPDVLQ DMAVIAPMLA KLGYPYANP PNYGKPDPKI IENTRRVYKG EFQLPDFLKE KPQTEQVEHH HHHH.