

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 : 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.