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**Product Data Sheet**


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Product Name: TPST2 Human, sf9

Cat. No.: GP22325

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tyrosylprotein Sulfotransferase 2; EC 2.8.2.20; TPST-2; Transport And Golgi Organization 13 Homolog B (Drosophila); Transport And Golgi Organization 13 Homolog B; Protein-Tyrosine Sulfotransferase 2; Tyrosylprotein Phosphotransferase 2; Tyrosylprotein Sulfotransferase-2; TANGO13B.		
Amino Acid Sequence	ADPQQVLECR AVLAGLRSPR GAMRPEQEEL VMVGTNHVEY RYGKAMPLIFVGGVPRSGTT LMRAMLDAHP EVRCGEETRI IPRVLAMRQA WSKSGREKLR LDEAGVTDEV LDAAMQAFILEVIAKHGEP A RVLCNKDPFT LKSSVYLSRL FPNSKFLLMV RDGRASVHSM ITRKVTIAGF DLSSYRDCLTKWNKAIEVMY AQCMEVGKEK CLPVYYEQLV LHPRRSLKLI LDFLGIAWS D AVLHHEDLIG KPGGVSLSKIERSTDQVIK P VNLEALSKWT GHIPGDVVRD MAQIAPMLAQ LGYDPYANPP NYGNPDPFVI NNTQRVLKGDYKTPANLKG Y FQVNQNSTSS HLGSSHHHHH H.		
Formulation	TPST2 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

**Introduction**

Tyrosylprotein Sulfotransferase 2 (TPST2) is a member of the protein sulfotransferase family. TPST2 is a widely expressed protein, which catalyzes the O-sulfation of tyrosine residues within acidic regions of proteins. The TPST2 protein is a type II integral membrane protein located in the Golgi body.

**Stability**

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%

**Caution: Product has not been fully validated for medical applications. For research use only.**

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HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

TPST2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 361 amino acids (26-377 a.a.) and having a molecular mass of 40.4kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions).

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