# Recombinant human TPST2 protein

Catalog Number: ATGP2096

## PRODUCT INFORMATION

**Expression system**
E.coli

**Domain**
26-377aa

**UniProt No.**
O60704

**NCBI Accession No.**
NP_001008566

**Alternative Names**
Protein-tyrosine sulfotransferase 2, Tyrosylprotein sulfotransferase 2

## PRODUCT SPECIFICATION

**Molecular Weight**
41 kDa (375aa)

**Concentration**
0.5mg/ml (determined by Bradford assay)

**Formulation**
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

**Purity**
> 85% by SDS-PAGE

**Tag**
His-Tag

**Application**
SDS-PAGE, Denatured

**Storage Condition**
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Description**
TPST2 catalyzes the O-sulfation of tyrosine residues within acidic regions of proteins. The protein is a type II integral membrane protein found in the Golgi body. Two transcript variants encoding the same protein have been found for this gene. Recombinant human TPST2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

**Amino acid Sequence**
<MGSSHHHHHH SSGLVPRGSH MGS>QQVLECR AVLAGLRSPR GAMRPEQEEL VMVGTNHVEY RYGKAMPLIF

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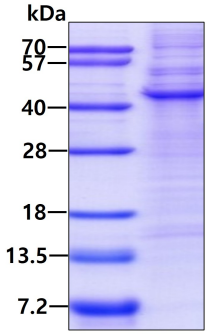
VGGVPRSGTT LMRAMLDAHP EVRCGEETRI IPRVLAMRQA WSKSGREKLR LDEAGVTDEV LDAAMQAFIL EVIAKHGEPA RVLCNKDPFT LKSSVYLSRL FPNSKFLLMV RDGRASVHSM ITRKVTIAGF DLSSYRDCLT KWNKAIEVMY AQCMEVGKEK CLPVYYEQLV LHPRRSLKLI LDFLGIAWSD AVLHHEDLIG KPGGVSLSKI ERSTDQVIKP VNLEALSKWT GHIPGDVVRD MAQIAPMLAQ LGYDPYANPP NYGNPDPFVI NNTQRVLKGD YKTPANLKGY FQVNQNSTSS HLGSS

### General References

Danan LM, Yu Z, et al. (2008). J Am Soc Mass Spectrom. 19(10):1459-66.
Yu Y, Hoffhines AJ, et al. (2007). Nat Methods. 4(7):583-8.

## DATA

### SDS-PAGE




3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.