

# Recombinant human TPST2 protein

Catalog Number: ATGP2096

## PRODUCT INFORMATION

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### 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

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### 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

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### 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 SGLVPRGSH MGS>QQVLECR AVLAGLRSPR GAMRPEQEEL VMVGTNHVEY RYGKAMPLIF

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

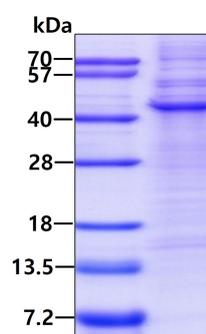
## General References

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



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.