

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

> 90% 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 MGSQQVLECR AVLAGLRSR GAMRPEQEEL VMVGTNHVEY RYGKAMPLIF

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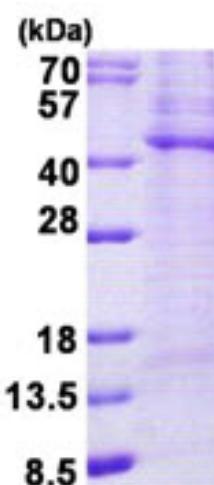
VGGVPRSGTT LMRAMLDLDP EVRCGEETRI IPRVLAMRQA WSKSGREKLR LDEAGVTDEV LDAAMQAFIL EVIAKHGEPA
RVLCNKDPFT LKSSVYLSRL FPNSKFLLMV RDGRASVHSM ITRKVTIAGF DLSSYRDCLT KWNKAIEVMY AQCMEVGKEK
CLPVYYEQLV LHPRRSLKLI LDFLGIAWSD AVLHHEDLIG KPGGVSLSKI ERSTDQVIKP VNLEALSKWT GHIPGDVV RD
MAQIAPMLAQ LGYDPYANPP NYGNPDPFVI NNTQRVLKGD 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.

15% SDS-PAGE (3ug)