

Recombinant human TPST1 protein

Catalog Number: ATGP3033

PRODUCT INFORMATION

Expression system

E.coli

Domain

26-370aa

UniProt No.

O60507

NCBI Accession No.

NP_003587

Alternative Names

Protein-tyrosine sulfotransferase 1, Protein-tyrosine sulfotransferase 1, TANGO13A

PRODUCT SPECIFICATION

Molecular Weight

42 kDa (369aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 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

TPST1 also known as protein-tyrosine sulfotransferase 1. Tyrosylprotein Sulfotransferase is the enzyme that catalyzes the sulfation reaction of protein tyrosines, a post-translational modification of proteins. It utilizes 3'-Phosphoadenosine-5'-phosphosulfate (PAPS) as the sulfonate donor and binds proteins with target tyrosine residues to eventually form the tyrosine O-sulfate ester group and the desulfonated 3'-phosphoadenosine-5'-phosphate (PAP). Recombinant human TPST1 fused to His-tag at N-terminus, was expressed in E. coli.

Recombinant human TPST1 protein

Catalog Number: ATGP3033

Amino acid Sequence

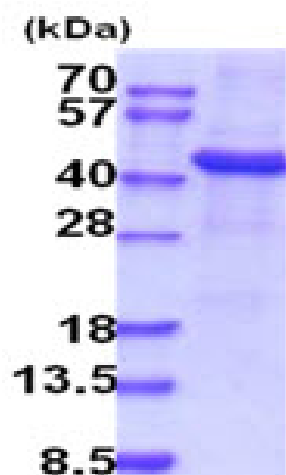
MGSSHHHHHH SSSLVPRGSH TGSMQHAMEC HHRIEERSQP VKLESTRTTV RTGLDLKANK TFAYHKDMPL IFIGGVPRSG
TLLMRAMLDA HPDIRCGEET RVIPRILALK QMWSRSSKEK IRLDEAGVTD EVLDSAMQAF LLEIIVKHGE PAPYLCNKDP
FALKSLTYLS RLFPNAKFL MVRDGRASVH SMISRKVTIA GFDLNSYRDC LTKWNRAIET MYNQCMEVGY KKCMLVHVEQ
LVLHPERWMR TLLKFLQIPW NHSVLHHEEM IGKAGGVLSL KVERSTDQVI KPVNVGALSK WVGKIPPDVL QDMAVIAPML
AKLGYPYAN PPNYGGKDPK IENTRRVYK GEFQLPDFLK EKPQTEQVE

General References

Ouyang Y.-B., et al. (1998) roc. Natl. Acad. Sci. u.S.A. 95:2896-2901

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)