

Recombinant human TPST1 protein

Catalog Number: ATGP3331

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

26-370aa

UniProt No.

O60507

NCBI Accession No.

NP_003587

Alternative Names

Protein-tyrosine sulfotransferase 1, TANGO13A

PRODUCT SPECIFICATION

Molecular Weight

40.6 kDa (354aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

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, 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,

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fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

<ADP>QHAMECH HRIEERSQPV KLESTRTTVR TGLDLKANKT FAYHKDMPLI FIGGVPRSGT TLMRAMLDAH PDIRCGEETR
VIPRILALKQ MWSRSSKEKI RLDEAGVTDE VLDSAMQAFI LEIIVKHGEP APYLCNKDPF ALKSLTYLSR LFPNAKFLLM
VRDGRASVHS MISRKVTIAG FDLNSYRDCL TKWNRAIETM YNQCMEVGYK KCMLVHYEQL VLHPERWMRT LLKFLQIPWN
HSVLHHEEMI GKAGGVSLK VERSTDQVIK PVNVGALSKW VGKIPPDVLQ DMAVIAPMLA KLGYPYANP PNYGKDPDKI
IENTRRVYKG EFQLPDFLKE KPQTEQVE<HH HHHH>

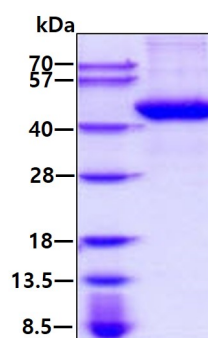
General References

Ouyang Y.B., et al. (1998) Proc Natl Acad Sci USA. 95:2896-2901.

Danan L.M., et al. (2008) J. Am. Soc. Mass. Spectrom. 19:1459-1466.

DATA

SDS-PAGE



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