

Recombinant human TRIP10 protein

Catalog Number: ATGP2477

PRODUCT INFORMATION

Expression system

E.coli

Domain

260-545aa

UniProt No.

Q15642

NCBI Accession No.

NP_004231

Alternative Names

Cdc42-interacting protein 4, CIP4, HSTP, STOT, STP

PRODUCT SPECIFICATION

Molecular Weight

34.6 kDa (309aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

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

Cdc42-interacting protein 4, also known as TRIP10, belongs to the F-BAR family of proteins. These proteins contain an N-terminal, alpha-helical, region that is hydrophobic and considered to be related to the Bin Amphiphysin Rvs (BAR) protein family. Expressed in a variety of tissues, including kidney, brain, liver, lung, heart and pancreas, TRIP10 is required for the Insulin-dependent translocation of Glut4 to the plasma membrane and is essential for the coordination of membrane tubulation with Actin cytoskeletal reorganization during endocytosis. Recombinant human TRIP10 protein, fused to His-tag at N-terminus, was expressed in E. coli and

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purified by using conventional chromatography techniques.

Amino acid Sequence

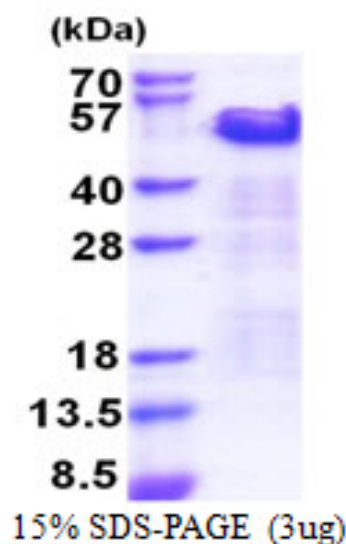
<MGSSHHHHHH SSGLVPRGSH MGS>DPKND SH VLIELHKSGF ARPGDVEFED FSQPMNRAPS DSSLGTPSDG
RPELRGPGRS RTKRWPFGKK NKTVVTEDFS HLPPEQQRKR LQQLEERSR ELQKEVDQRE ALKKMKDVYE KTPQMGPAS
LEPQIAETLS NIERLKLEVQ KYEAWLAEAE SRVLSNRGDS LSRHARPPDP PASAPPDSSS NSASQDTKES SEEPPSEESQ
DTPITYTEFDE DFEEETSPI GHCVAIYHFE GSSEGTISMA EGEDLSLMEE DKG DGWTRVR RKEGGEGYVP TSYLRVTLN

General References

Aspenstrom P., et al. (1997) *Curr Biol.* 7: 479-487.
Holbert S., et al. (2003) *Proc Natl Acad Sci uSA.* 100: 2712-2717.

DATA

SDS-PAGE



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