

Datasheet for ABIN7553378
TRIP10 Protein (AA 1-601) (His tag)



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3 Images

Overview

Quantity:	1 mg
Target:	TRIP10
Protein Characteristics:	AA 1-601
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIP10 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TRIP10 Protein expressed in mammalian cells.
Sequence:	<p>MDWGTTELWDQ FEVLERHTQW GLDLLDRYVK FVKERTEVEQ AYAKQLRSLV KKYLPKRPAK</p> <p>DDPESKFSQQ QSFVQILQEV NDFAGQRELV AENLSVRVCL ELTKYSQEMK QERKMHFQEG</p> <p>RRAQQQLENG FKQLENSKRK FERDCREAEK AAQTAERLDQ DINATKADVE KAKQQAHLRS</p> <p>HMAEESKNEY AAQLQRFNRD QAHFYFSQMP QIFDKLQDMD ERRATRLGAG YGLLSEAELE</p> <p>VVPIIAKCLE GMKVAANAVID PKNDSHVLIE LHKSGFARPG DVEFEDFSQP MNRAPSDSSL</p> <p>GTPSDGRPEL RGPGRSRTKR WPFKGKKNKPR PPPLSPLGGP VPSALPNGPP SPRSGRDPLA</p> <p>ILSEISKSVK PRLASFRLSLR GSRGTVVTED FSHLPPEQQR KRLQQQLEER SRELQKEVDQ</p> <p>REALKKMKDV YEKTPQM GDP ASLEPQIAET LSNIERLKLE VQKYEAWLAE AESRVLSNRG</p> <p>DSLSRHARPP DPPASAPPDS SSNSASQDTK ESSEPPSEE SQDTPIYTEF DEDFEEPTS</p> <p>PIGHCVAIYH FEGSSEGTIS MAEGEDLSLM EEDKGDGWTR VRRKEGGEGY VPTSYLRVTL N</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary.</p>

In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: TRIP10

Alternative Name: TRIP10 ([TRIP10 Products](#))

Background: Cdc42-interacting protein 4 (Protein Felic) (Salt tolerant protein) (hSTP) (Thyroid receptor-interacting protein 10) (TR-interacting protein 10) (TRIP-10),FUNCTION: Required for translocation of GLUT4 to the plasma membrane in response to insulin signaling (By similarity). Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also promotes CDC42-induced actin polymerization by recruiting WASL/N-WASP which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. Required for the formation of podosomes, actin-rich adhesion structures specific to monocyte-derived cells. May be required for the lysosomal

Target Details

retention of FASLG/FASL. {ECO:0000250, ECO:0000269|PubMed:11069762, ECO:0000269|PubMed:16318909, ECO:0000269|PubMed:16326391}.

Molecular Weight: 68.4 kDa

UniProt: [Q15642](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

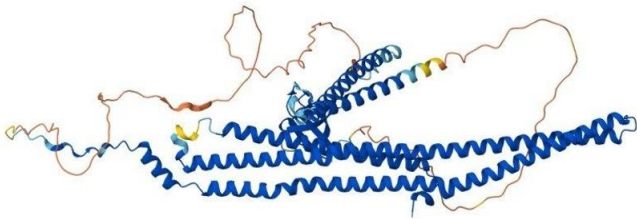
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months

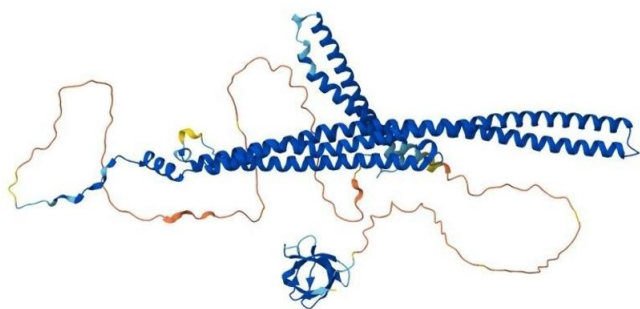
Images



Protein Structure

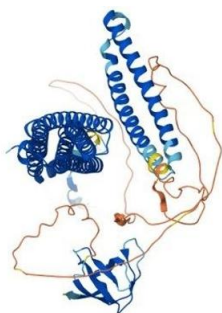
Image 1. AlphaFold protein structure prediction of Human Recombinant TRIP10 Protein, UniprotID Q15642





Protein Structure

Image 2. AlphaFold protein structure prediction of Human Recombinant TRIP10 Protein, UniprotID Q15642



Protein Structure

Image 3. AlphaFold protein structure prediction of Human Recombinant TRIP10 Protein, UniprotID Q15642

