

Datasheet for ABIN7563646

TRIM72 Protein (AA 1-477) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIM72
Protein Characteristics:	AA 1-477
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM72 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Trim72 Protein expressed in mammalian cells.
Sequence:	<p>MSAAPGLLRQ ELSCPLCLQL FDAPVTAECG HSFCRACLIR VAGEPAADGT VACPCCQAPT RPQALSTNLQ LSRLVEGLAQ VPQGHCEEHL DPLSIYCEQD RTLVCGVCCAS LGSHRGHRL PAAEAQARLK TQLPQQKMQL QEACMRKEKT VAVLEHQLVE VEETVRQFRG AVGEQLGKMR MFLAALESSL DREAERVGRD AGVALRRELS SLNSYLEQLR QMEKVL EEVA DKPQTEFLMK FCLVTSRLQK ILSESPPPAR LDIQLPVISD DFKFQVWKKM FRALMPALEE LTFDPSSAHP SLVSSSGRR VECSDQKAPP AGEDTRQFDK AVAVVAQQL SQGEHYWEVE VGDKPRWALG VMAADASRRG RLHAVPSQGL WLLGLRDGKI LEAHVEAKEP RALRTPERPP ARIGLYLSFA DGVLA FYDAS NPDVLTPIFS FHERLPGPVY PIFDVCWHDK GKNAQPLLLV GPEQEQA</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. In case you have a special request, please contact us.</p>

Product Details

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, Western Blot

Grade:

custom-made

Target Details

Target:

TRIM72

Alternative Name:

Trim72 ([TRIM72 Products](#))

Background:

Tripartite motif-containing protein 72 (Mitsugumin-53) (Mg53), FUNCTION: Muscle-specific protein that plays a central role in cell membrane repair by nucleating the assembly of the repair machinery at injury sites. Specifically binds phosphatidylserine. Acts as a sensor of oxidation: upon membrane damage, entry of extracellular oxidative environment results in disulfide bond formation and homooligomerization at the injury site. This oligomerization acts as a nucleation site for recruitment of TRIM72-containing vesicles to the injury site, leading to membrane patch formation. Probably acts upstream of the Ca(2+)-dependent membrane resealing process. Required for transport of DYSF to sites of cell injury during repair patch formation. Regulates membrane budding and exocytosis. May be involved in the regulation of the mobility of KCNB1-containing endocytic vesicles. {ECO:0000269|PubMed:19029292, ECO:0000269|PubMed:19043407, ECO:0000269|PubMed:19202355, ECO:0000269|PubMed:19380584}.

Molecular Weight:

52.8 kDa

Target Details

UniProt: [Q1XH17](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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