

Datasheet for ABIN7563705
TRIP13 Protein (AA 1-432) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIP13
Protein Characteristics:	AA 1-432
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIP13 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Trip13 Protein expressed in mammalien cells.
Sequence:	<p>MDEAVGDLKQ ALPCVAESPA VHVEVLQRSG STAKKEDIKS SVYRLLNRHN IVFGDYVWTE FDDPFLSRNV QSVSIVDEL KAKDPQPIDL SACTIALHIF QLNEEGPSSE NLDEETENII AASHWVLPAA EFHGLWDSL VYDVEVKSHLL DYVMTTVLFS DKNVDSNLIT WNRVVLLHGP PGTGKTS LCK ALAQKLTIRL SSRYRYGQLI EINSLSLFSK WFSESGKLV T KMFQKIQDLI DDKEALVFVL IDEVESLTAA RNACRAGAEP SDAIRVVNAV LTQIDQIKRH SNVVILTTSN ITEKIDVAFV DRADIKQYIG PPSAAAIFKI YLSCLEELMK CQIYPRQQL LTLRELEMIG FIENNVSKLS LLLSEISRKS EGLSGRVL RK LPFLAHALYI QAPSVTIEGF LQALSLAVDK QFEEKKLSA YV</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> <p>In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- 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: TRIP13

Alternative Name: Trip13 ([TRIP13 Products](#))

Background: Pachytene checkpoint protein 2 homolog (Thyroid hormone receptor interactor 13) (Thyroid receptor-interacting protein 13) (TR-interacting protein 13) (TRIP-13),FUNCTION: Plays a key role in chromosome recombination and chromosome structure development during meiosis. Required at early steps in meiotic recombination that leads to non-crossovers pathways. Also needed for efficient completion of homologous synapsis by influencing crossover distribution along the chromosomes affecting both crossovers and non-crossovers pathways. Also required for development of higher-order chromosome structures and is needed for synaptonemal-complex formation. In males, required for efficient synapsis of the sex chromosomes and for sex body formation. Promotes early steps of the DNA double-strand breaks (DSBs) repair process upstream of the assembly of RAD51 complexes. Required for depletion of HORMAD1 and HORMAD2 from synapsed chromosomes (PubMed:17696610, PubMed:19851446, PubMed:20711356). Plays a role in mitotic spindle assembly checkpoint (SAC) activation (By similarity). {ECO:0000250|UniProtKB:Q15645, ECO:0000269|PubMed:17696610, ECO:0000269|PubMed:19851446,

Target Details

ECO:0000269|PubMed:20711356}.

Molecular Weight: 48.4 kDa

UniProt: [Q3UA06](#)

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