

Datasheet for ABIN7557031

TRIM63 Protein (AA 1-350) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIM63
Protein Characteristics:	AA 1-350
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM63 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Trim63 Protein expressed in mammalian cells.
Sequence:	<p>MDYKSGILPD GNAMENLEKQ LICPICLEMF TKPVVILPCQ HNLCKRCAND IFQAANPYWT NRGGSVSMMSG GRFRCPSCRH EVIMDRHGVY GLQRNLLVEN IIDYKQECES SRPLQKGSHP MCKEHDEKI NIYCLTCEVP TCSLCKVFGA HQACEVAPLQ SIFQGQKTEL SNCISMLVAG NDRVQTIISQ LVDSCRVTKE NSHQVKEELS QKFDTLYAIL DEKKSELLQR ITQEQUEEKL FIEALILQYR EQLEKSTKLV ETAIQLDEP GGATFLSSAK QLIKSNEAS KGCQLGKTEQ GFENMDYFTL DLEHIAEALR AIDFGTDEEE EEFTEEEADE EEGVTTEGHQ Sequence without tag.</p> <p>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>
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
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Grade:	custom-made
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Target Details

Target:	TRIM63
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Alternative Name:	Trim63 (TRIM63 Products)
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Background:	<p>E3 ubiquitin-protein ligase TRIM63 (EC 2.3.2.27) (Muscle-specific RING finger protein 1) (MuRF-1) (MuRF1) (Muscle RING finger protein 1) (RING-type E3 ubiquitin transferase TRIM63) (Tripartite motif-containing protein 63),FUNCTION: E3 ubiquitin ligase. Mediates the ubiquitination and subsequent proteasomal degradation of CKM, GMEB1 and HIBADH. Regulates the proteasomal degradation of muscle proteins under amino acid starvation, where muscle protein is catabolized to provide other organs with amino acids. Inhibits de novo skeletal muscle protein synthesis under amino acid starvation. Regulates proteasomal degradation of cardiac troponin I/TNNI3 and probably of other sarcomeric-associated proteins. May play a role in striated muscle atrophy and hypertrophy by regulating an anti-hypertrophic PKC-mediated signaling pathway. May regulate the organization of myofibrils through TTN in muscle cells. {ECO:0000269 PubMed:15596539, ECO:0000269 PubMed:15601779, ECO:0000269 PubMed:18222470}.</p>
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Molecular Weight:	39.5 kDa
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UniProt:	Q38HM4
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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.
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Restrictions:	For Research Use only
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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