

Datasheet for ABIN7544803

TRIM59 Protein (AA 1-403) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIM59
Protein Characteristics:	AA 1-403
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM59 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TRIM59 Protein expressed in mammalian cells.
Sequence:	<p>MHNFEELTC PICYSIFEDP RVLPCSHTFC RNCLNQLQA SGNFYIWRPL RIPLKCPNCR</p> <p>SITEIAPTGI ESLPVNFALR AIEKYQQED HPDIVTCPEH YRQPLNVYCL LDKKLVCGHC</p> <p>LTIGQHHGHP IDDLQSAYLK EKDTPQKLE QLTDTHTWDL THLIEKLKEQ KSHSEKMIQG</p> <p>DKEAVLQYFK ELNDTLEQKK KSFLTALCDV GNLIHQEYTP QIERMKEIRE QQLELMALTI</p> <p>SLQEEPLKF LEKVDDVRQH VQILKQRPLP EVQPVEIYPR VSKILKEEWS RTEIGQIKNV</p> <p>LIPKMKISPK RMSCSWPGKD EKEVEFLKIL NIVVVTLSV ILSILFFNQ HIITFLSEIT LIWFSEASLS</p> <p>VYQSLNSLH KVKNILCHIF YLLKEFVWKI VSH Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p> <p>of the protein could make another tag necessary. In case you have a special request, please</p> <p>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:	TRIM59
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Alternative Name:	TRIM59 (TRIM59 Products)
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Background:	<p>Tripartite motif-containing protein 59 (EC 2.3.2.27) (RING finger protein 104) (Tumor suppressor TSBF-1),FUNCTION: E3 ubiquitin ligase involved in different processes such as development and immune response (PubMed:22588174, PubMed:30231667). Serves as a negative regulator for innate immune signaling pathways by suppressing RLR-induced activation of IRF3/7 and NF-kappa-B via interaction with adapter ECSIT (PubMed:22588174). Regulates autophagy through modulating both the transcription and the ubiquitination of BECN1 (PubMed:30231667). On the one hand, regulates the transcription of BECN1 through negatively modulating the NF-kappa-B pathway. On the other hand, regulates TRAF6-mediated 'Lys-63'-linked ubiquitination of BECN1, thus affecting the formation of the BECN1-PIK3C3 complex. In addition, mediates 'Lys-48'-linked ubiquitination of TRAF6 and thereby promotes TRAF6 proteasomal degradation (PubMed:30231667). Acts also as a critical regulator for early embryo development from blastocyst stage to gastrula through modulating F-actin assembly and WASH1 'Lys-63'-linked ubiquitination (By similarity). {ECO:0000250 UniProtKB:Q922Y2, ECO:0000269 PubMed:22588174, ECO:0000269 PubMed:30231667}.</p>
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Target Details

Molecular Weight:	47.1 kDa
UniProt:	Q8IWR1
Pathways:	SARS-CoV-2 Protein Interactome

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