

Datasheet for ABIN7544679

TRIM41 Protein (AA 1-630) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIM41
Protein Characteristics:	AA 1-630
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM41 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TRIM41 Protein expressed in mammalien cells.
Sequence:	<p>MAAVAMTPNP VQTLQEEAVC AICLDYFTDP VSIGCGHNFC RVCVTQLWGG EDEEDRDELD REEEEEEDGE EEEVAVGAGA GWDTPMRDED YEGDMEEVE EEEGVFWTS GMSRSSWDNM DYVWEEED EEDLYLGD EEDLRGEDE EDEEVLEEV EEDLDPVTP LPPPPAPRRRC FTCPQCRKSF PRRSFRPNLQ LANMVQVIRQ MHPTPGRGSR VTDQGICPKH QEALKLFCEV DEEAICVVCR ESRSHKQHSV VPLEEVQEQY KAKLQGHVEP LRKHLEAVQK MKAKEERRVT ELKSQMKSEL AAVASEFGRL TRFLAEEQAG LERRLREMHE AQLGRAGAAA SRLAEQAAQL SRLLAEAQER SQQGLRLLQ DIKETFNRCE EVQLQPPEVW SPDPCQPHSH DFLTDAIVRK MSRMFCQAAR VDLTLDPD TA HPALMLSPDR RGVRLAERRQ EVADHPKRFS ADCCVLGAQG FRSGRHYWEV EVGGRRGWAV GAARESTHHK EKVGPGGSSV GSGDASSSRH HRRRRRLHLP QQPLLQREVV CVGTNGKRYQ AQSSTEQTLL SPSEKPRRFG VYLDYEAGRL GFYNAETLAH VHTFSAFLG ERVFPFRVL SKGTRIKLCP Sequence without tag. The proposed Purification-</p>

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.

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:

TRIM41

Alternative Name:

TRIM41 ([TRIM41 Products](#))

Background:

E3 ubiquitin-protein ligase TRIM41 (EC 2.3.2.27) (RING finger-interacting protein with C kinase) (RINCK) (Tripartite motif-containing protein 41),FUNCTION: E3 ligase that plays essential roles in innate antiviral response (PubMed:28169297, PubMed:29760876, PubMed:29899090, PubMed:31979016). Directly binds to influenza A virus or vesicular stomatitis virus nucleoproteins and targets them for ubiquitination and proteasomal degradation, thereby limiting viral infections (PubMed:29899090, PubMed:31979016, PubMed:28169297). Activates the innate antiviral response by catalyzing monoubiquitination of CGAS, thereby activating CGAS (PubMed:29760876). Also involved in innate antiviral response by mediating 'Lys-63'-linked polyubiquitylation of BCL10 which in turn hubs NEMO for activation of NF-kappa-B and IRF3 pathways (By similarity). Catalyzes the ubiquitin-mediated degradation of other substrates

Target Details

including protein kinase C, ZSCAN21 or TOP3B suggesting additional roles besides its function in immune response (PubMed:17893151, PubMed:33378676).

{ECO:0000250|UniProtKB:Q5NCC3, ECO:0000269|PubMed:17893151, ECO:0000269|PubMed:28169297, ECO:0000269|PubMed:29760876, ECO:0000269|PubMed:29899090, ECO:0000269|PubMed:31979016, ECO:0000269|PubMed:33378676}.

Molecular Weight: 71.7 kDa

UniProt: [Q8WV44](#)

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