

Datasheet for ABIN7558360

## TRIM56 Protein (AA 1-734) (His tag)



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### Overview

Quantity:	1 mg
Target:	TRIM56
Protein Characteristics:	AA 1-734
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM56 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Trim56 Protein expressed in mammalian cells.
Sequence:	<p>MNSKVSSPTL LEALSSDFLA CKICLEQLHT PKTLPCLHTY CQDCLAQLDI GGQVRCPECR</p> <p>EIVPVPAEGV AAFKTNFFVN GLLDLVKARA PGDVHSGKPT CALCPLVGGK SSGGPATARC</p> <p>LDCADDLCQA CADGHRCSRQ THKHRVVDLV GYRAGWYDEE ARERQASQCP QHPGEALCFL</p> <p>CQPCSQLLCK DCRLGPHIDH PCLPLAEAVR SRKPGLEELL AGVDSNLVEL EATRVAEKEA</p> <p>LALLREQAAS VGTQVEEAAE RILKSLLAQK QEVLGQLRAL VEAAEEATRE RLTKIERQEQ</p> <p>VAKAAAAFAR RVLSLGLEAE ILSLEGAITQ RLRQLQDAPW TSGPTRCVLP QLELHPGLED</p> <p>KNCHLLRLIF EEPKQSPKDS GKGGAGTQGG DEAQGGGDDR TKIGKQGGAAQ PLTPKEGKDQ</p> <p>NPQEDDGVFI ERGNRPNKKK KCKGRGKSVS REPSPILRPN LEGSGLLRPR VFSWSFPTRM</p> <p>PGDKRSPRIT GLCPYGPQEI LVADEQNRVL KRFSLNGDYK GTVQVPEGCS PCSVAALQNA</p> <p>VAFSANAKLY LVSPDGEIQW RRSLSLTQSS HAVAAMPCGD RAVSVVAGHV EVYKKDGLSLA</p> <p>TRFIPGGKAS RGQRALVFLT TSPQGNFVGS DWQQNSVVFC DGLGQVIWEY KGPGLHGCQP</p>

## Product Details

GSVSVDKKG Y IFLTLREVNK VVILDPKGS L LGDFLTAYHG LEKPRVTTMV DGKYLVSLS  
NGTIHVFRVR FPD S **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.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

## Target Details

Target:	TRIM56
Alternative Name:	Trim56 ( <a href="#">TRIM56 Products</a> )
Background:	<p>E3 ubiquitin-protein ligase TRIM56 (EC 2.3.2.27) (Tripartite motif-containing protein 56),FUNCTION: E3 ubiquitin-protein ligase that plays a key role in innate antiviral immunity by mediating ubiquitination of CGAS and STING1 (PubMed:21074459, PubMed:29426904). In response to pathogen- and host-derived double-stranded DNA (dsDNA), targets STING1 to 'Lys-63'-linked ubiquitination, thereby promoting its homodimerization, a step required for the production of type I interferon IFN-beta (PubMed:21074459). Also mediates monoubiquitination of CGAS, thereby promoting CGAS oligomerization and subsequent activation (PubMed:29426904). Independently of its E3 ubiquitin ligase activity, positive regulator of TLR3 signaling (By similarity). Potentiates extracellular double stranded RNA (dsRNA)-induced</p>

## Target Details

expression of IFNB1 and interferon-stimulated genes ISG15, IFIT1/ISG56, CXCL10, OASL and CCL5/RANTES (By similarity). {ECO:0000250|UniProtKB:Q9BRZ2, ECO:0000269|PubMed:21074459, ECO:0000269|PubMed:29426904}.

Molecular Weight: 79.5 kDa

UniProt: [Q80V11](#)

## 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