

Datasheet for ABIN7544678

**TRIM16 Protein (AA 1-564) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	TRIM16
Protein Characteristics:	AA 1-564
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM16 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat TRIM16 Protein expressed in mammalien cells.
Sequence:	MAELDLMAPG PLPRATAQPP APLSPDSGSP SPDSGSASPV EEEDVGSSEK LGRETEEQDS DSAEQGDPAE EGKEVLCDFC LDDTRRVKAV KSCLTCMVNY CEEHLQPHQV NIKLQSHLLT EPVKDHNWRY CPAHHSPLSA FCCPDQQCIC QDCCQEHSQH TIVSLDAARR DKEAELQCTQ LDLERKLLKN ENAISRLQAN QKSVLVSSE VKAVAEMQFG ELLAAVRKAQ ANVMLFLEEK EQAALSQANG IKAHLEYRSA EMEKSKQELE RMAAISNTVQ FLEEYCKFKN TEDITFPSVY VGLKDKLSGI RKVITESTVH LIQLLENYKK KLQEFSSKEEE YDIRTQVSAV VQRKYWTSKP EPSTREQFLQ YAYDITFDPD TAHKYLRQLQE ENRKVTNTTP WEHPYPDLPS RFLHWRQVLS QQSLYLHRYE FEVEIFGAGT YVGLTCKGID RKGEERNSCI SGNFNSWSLQ WNGKEFTAWY SDMETPLKAG PFRRLLGVYID FPGGILSFYG VEYDTMTLVH KFACKFSEPV YAAFWSLCKE NAIRIVDLGE EPEKPAPSLV GTAP <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein</b>

## Product Details

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**could make another tag necessary. In case you have a special request, please contact us.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

TRIM16

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### Alternative Name:

TRIM16 ([TRIM16 Products](#))

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### Background:

Tripartite motif-containing protein 16 (EC 2.3.2.27) (E3 ubiquitin-protein ligase TRIM16) (Estrogen-responsive B box protein),FUNCTION: E3 ubiquitin ligase that plays an essential role in the organization of autophagic response and ubiquitination upon lysosomal and phagosomal damages. Plays a role in the stress-induced biogenesis and degradation of protein aggregates by regulating the p62-KEAP1-NRF2 signaling and particularly by modulating the ubiquitination levels and thus stability of NRF2. Acts as a scaffold protein and facilitates autophagic degradation of protein aggregates by interacting with p62/SQSTM1, ATG16L1 and LC3B/MAP1LC3B. In turn, protects the cell against oxidative stress-induced cell death as a consequence of endomembrane damage. {ECO:0000269|PubMed:22629402, ECO:0000269|PubMed:27693506, ECO:0000269|PubMed:30143514}.

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### Molecular Weight:

64.0 kDa

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## Target Details

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UniProt:	<a href="#">O95361</a>
Pathways:	<a href="#">Retinoic Acid Receptor Signaling Pathway</a> , <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Growth Factor Binding</a>

## Application Details

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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

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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