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Datasheet for ABIN7560467

TRIM16 Protein (AA 1-556) (His tag)

Overview

Quantity:	1 mg
Target:	TRIM16
Protein Characteristics:	AA 1-556
Origin:	Mouse
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 mammalian cells.
Sequence:	MAELDLIAPG PLTGVTAHPL APLGDPVSA IPVEKEDADP LSKSGEETQE QGHDP AELGA PGEEDQILCD FCLGASRVRA VKSCLTCMVN YCEEHLRPHQ ENSKLHSHQL TEPAKDQDLR TCPAHH SPLV SFCHTHQQCI CQECGEGEHR GDSTVSLDAA RRNKEVDLRC MQLDLEQKLLK LNENAIARLQ ANHKSVL VSV SEVKVVAEEK FGELLA AVRK AQADVMVFLE EKEQAALNQV NSIKTHLEHR SLEMEKSKQE LERLAAISNT VLFLEEYCKL KKTEDTASPS IYIGLKDKLS GIRKVIDTST LNLIQLLESY KEKLQEF SRE EEDIR TQVS AIVQRKYRTS KPEPRTRDEF LQYACDITFD PDAHRYLRL QEDNRKVTNT TPWEHPYPDL PSRFLHWRQV LSQQSLYLHR YYFEVELSGG GTYVGLTCKG IDRKGEERNS CISGNSFSWS IHWNGKEFTA WHSDTETPLK VSPFRRLGIY VNFPGGILSF YGVEYDAMTL IHKFDCKFSE PVYAAF WLSK KENAIRIVDL GEEPEKPAGS SVEAAP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make

Product Details

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:

TRIM16

Alternative Name:

Trim16 ([TRIM16 Products](#))

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:0000250|UniProtKB:O95361}.

Molecular Weight:

62.9 kDa

UniProt:

[Q99PP9](#)

Target Details

Pathways: [Retinoic Acid Receptor Signaling Pathway](#), [Response to Growth Hormone Stimulus](#), [Growth Factor Binding](#)

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
