

Datasheet for ABIN7558070

TRIM45 Protein (AA 1-580) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIM45
Protein Characteristics:	AA 1-580
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM45 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Trim45 Protein expressed in mammalian cells.
Sequence:	<p>MSEIRKPLL G FVHKLQDANA SGSSGKTHCP TCLRLFVPR LLPCLHTVCT TCLEKLPFS</p> <p>VVDIRGGSD TSSEGSVFQD PELCSLQPQI GILCPVDAQ VDLPLGGVKA LTVDHLMND</p> <p>VLLNLRGEG QGLVCDLCS REVEKRCQTC KANLCHFCCQ AHRQKKT TY HTMVDLKD LK</p> <p>GYSQVGK PIL CP SHPAEELR LFCELCDRPV CRDCVVGEHR EHPYDFTSNV IHKHGDSVRE</p> <p>LLRDTQPHVE ALEDALAIK SVNNALQERV EAVAADV RTF SEGYIKAIEE HRDKLLQQLD</p> <p>DIRIQRETAL QLQKAQLEQL LADMRTGVEF TEHLTSGSD LEILITKGVV VERLRKLNKV</p> <p>EYSARPGVNH KICFSPQEK GQCQGYEVY AINTQEVDP QCVLQGEDLH RAREKQTASF</p> <p>TLFCKDASGQ SMGRGGDNVH VEVVPKDKD SPIRTVVQDN KDGSYRVSYT PKEPGIYTVW</p> <p>VCIREQHVQG SPFNVTVRRK HRPHPGVFHC CTFCSGGQK AARCACGGTM PGGYLGCCHG</p> <p>HKGHPGRPHW SCCGKFIEKS ECSFTSGQGA PRSLLRTVAL</p> <p>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</p>

request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: TRIM45

Alternative Name: Trim45 ([TRIM45 Products](#))

Background: E3 ubiquitin-protein ligase TRIM45 (EC 2.3.2.27) (RING finger protein 99) (Tripartite motif-containing protein 45),FUNCTION: E3 ubiquitin-protein ligase that plays a role in the regulation of inflammatory response (PubMed:36681779). Mechanistically, mediates the 'Lys-48'-linked polyubiquitination of TAB2, a regulatory protein of the kinase TAK1, leading to its degradation via the proteasomal pathway and inhibition of the TLR-mediated inflammatory immune response. May act as a transcriptional repressor in mitogen-activated protein kinase signaling pathway. {ECO:0000250|UniProtKB:Q9H8W5, ECO:0000269|PubMed:36681779}.

Molecular Weight: 64.3 kDa

UniProt: [Q6PFY8](#)

Application Details

Application Notes:	We expect the protein to work for functional studies. 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