

Datasheet for ABIN7560465
TRIM26 Protein (AA 1-545) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIM26
Protein Characteristics:	AA 1-545
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM26 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Trim26 Protein expressed in mammalian cells.
Sequence:	<p>MAVSAPLRSL EEEVTCISCL DYLRDPVTID CGHVFCRSCT SDIRPISG NR PVCPLCKKPF KKENIRPVWQ LASLVENIER LKVDNGRQPG ELAREPQDMK LCERHQEKLH YYCEDDGKLL CVMCRESREH RPHTAVLVEK AALPHREKIL NHLNTRLRRDR DKIQGFQAKG EADILAALTK LQEQRQYIVA EFKQGHQFLK KREQHLLDQL ATLEQLL TEG REKFKTRGVS ELDRLTLVIS ELEGKARQPA AELMQDVCTT QDTKDFANKY PRKKFWIGKA IPHMV KRKAG EFSDKLLSLQ RGLRQFQGKL LRDLEYKTVS VTLDPQSASG YLHLS EDWKC VTYTGQYQSD CLLPQQFDCE PGVLGSKGFT WGKVYWEVEL EREGWSEDEE EEEEEEEGEE EEEDEEVGYG DGYEDWETDE EDES LGEEEE EEEEEEEVQ ESCMVGVAKD SVKRKGDSL RPEDGVWALR LSPSGIWANT SPEAQLFPVL RPRRVGIALD YEGGTVTFTN AESQELIYTF TTTFTRRLLVP FLWLKWP GAR LLLRP</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 request, please contact us.</p>

Product Details

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: TRIM26

Alternative Name: Trim26 ([TRIM26 Products](#))

Background: Tripartite motif-containing protein 26 (EC 2.3.2.27) (Zinc finger protein 173),FUNCTION: E3 ubiquitin-protein ligase which regulates the IFN-beta production and antiviral response downstream of various DNA-encoded pattern-recognition receptors (PRRs). Plays also a central role in determining the response to different forms of oxidative stress by controlling levels of DNA glycosylases NEIL1, NEIL3 and NTH1 that are involved in repair of damaged DNA. Promotes nuclear IRF3 ubiquitination and proteasomal degradation. Bridges together TBK1 and NEMO during the innate response to viral infection leading to the activation of TBK1. Positively regulates LPS-mediated inflammatory innate immune response by catalyzing the 'Lys-11'-linked polyubiquitination of TAB1 to enhance its activation and subsequent NF-kappa-B and MAPK signaling (PubMed:34017102). In a manner independent of its catalytic activity, inhibits WWP2, a SOX2-directed E3 ubiquitin ligase, and thus protects SOX2 from polyubiquitination and

Target Details

proteasomal degradation. Ubiquitinates the histone acetyltransferase protein complex component PHF20 and thereby triggers its degradation in the nucleus after its recruitment by the histone demethylase KDM6B, serving as a scaffold protein. Upon induction by TGF-beta, ubiquitinates the TFIIID component TAF7 for proteasomal degradation (By similarity). Induces ferroptosis by ubiquitinating SLC7A11, a critical protein for lipid reactive oxygen species (ROS) scavenging (PubMed:33869196). {ECO:0000250|UniProtKB:Q12899, ECO:0000269|PubMed:33869196, ECO:0000269|PubMed:34017102}.

Molecular Weight: 62.8 kDa

UniProt: [Q99PN3](#)

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