

Datasheet for ABIN7563918

## TRIM25 Protein (AA 1-634) (His tag)



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### Overview

Quantity:	1 mg
Target:	TRIM25
Protein Characteristics:	AA 1-634
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM25 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Trim25 Protein expressed in mammalian cells.
Sequence:	<p>MAELNPLAEE LSCSVCLELF KEPVTPCGH NFCMSCLDET WVVQGPPYRC PQCRKVYQVR</p> <p>PQLQKNTVMC AVVEQFLQAE QARTPVDDWT PPARFSASSA ATQVACDHCL TEIAVKTCLV</p> <p>CMASFCQEHL RPHFDSPAFQ DHPLQSPIRD LLRRKCTQHN RLRELCPEH GECICHICLV</p> <p>EHKTCSP TTL SQASADLEYK LRNKLTIMHS HINGATKALE DVRSKQQCVQ DSMKRKMEQL</p> <p>RQEYMEMKAV IDAAETSSLR KLKEEEKRVY GKFDTIYQVL VKKKSEMQKL KAEVELIMDK</p> <p>GDEFEFLEKA AKLQGESTKP VYIPKIDLDH DLIMGIYQGA ADLKSELKHS IKKLQKKSEE</p> <p>HNGSGNKG DQ TQSTFKPVQP SKKTIQEKKT KKTPVAPGPP SHFSPNKLPT FGAPGQSLDS</p> <p>KATSPDAAPK ASAAQPDSVG VKAKVLENFL TKSRTLELEY FVKVIFDYNT AHNKVSLSNK</p> <p>YTTASVSDGL QHYRSHPPQR TYCSQVLGLH CYKNGIHYWE VELQKNNFCG VGICYGSMER</p> <p>QGPESRLGRN PNSWCVEWFN NKISAWHNNV EKTLPSTKAT RVGVLLNCDH GFVIFFAVTE</p> <p>KVHLMYKFKV DFTEALYPAF WVFSAGTTLS ICSK <b>Sequence without tag. The proposed</b></p> <p><b>Purification-Tag is based on experiences with the expression system, a different complexity</b></p>

**of the protein could make another tag necessary. In case you have a special 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:	<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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TRIM25
Alternative Name:	Trim25 ( <a href="#">TRIM25 Products</a> )
Background:	<p>E3 ubiquitin/ISG15 ligase TRIM25 (EC 6.3.2.n3) (Estrogen-responsive finger protein) (RING-type E3 ubiquitin transferase) (EC 2.3.2.27) (RING-type E3 ubiquitin transferase TRIM25) (Tripartite motif-containing protein 25) (Ubiquitin/ISG15-conjugating enzyme TRIM25) (Zinc finger protein 147),FUNCTION: Functions as a ubiquitin E3 ligase and as an ISG15 E3 ligase. Involved in innate immune defense against viruses by mediating ubiquitination of RIGI and IFIH1. Mediates 'Lys-63'-linked polyubiquitination of the RIGI N-terminal CARD-like region and may play a role in signal transduction that leads to the production of interferons in response to viral infection. Mediates 'Lys-63'-linked polyubiquitination of IFIH1. Promotes ISGylation of 14-3-3 sigma (SFN), an adapter protein implicated in the regulation of a large spectrum signaling pathway. Mediates</p>

## Target Details

estrogen action in various target organs. Mediates the ubiquitination and subsequent proteasomal degradation of ZFHX3 (By similarity). Plays a role in promoting the restart of stalled replication forks via interaction with the KHDC3L-OOEP scaffold and subsequent ubiquitination of BLM, resulting in the recruitment and retainment of BLM at DNA replication forks (PubMed:29125140). Plays an essential role in the antiviral activity of ZAP/ZC3HAV1, an antiviral protein which inhibits the replication of certain viruses. Mechanistically, mediates 'Lys-63'-linked polyubiquitination of ZAP/ZC3HAV1 that is required for its optimal binding to target mRNA. Mediates also the ubiquitination of various substrates implicated in stress granule formation, nonsense-mediated mRNA decay, nucleoside synthesis and mRNA translation and stability (By similarity). {ECO:0000250|UniProtKB:Q14258, ECO:0000269|PubMed:29125140}.

Molecular Weight: 71.7 kDa

UniProt: [Q61510](#)

## 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