

[Go to Product page](#)

Datasheet for ABIN7560750

TRIM13 Protein (AA 1-407) (His tag)

Overview

Quantity:	1 mg
Target:	TRIM13
Protein Characteristics:	AA 1-407
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM13 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Trim13 Protein expressed in mammalien cells.
Sequence:	MELLEEDLTC PICCSLFDDP RVLPCSHNFC KKCLEGLLEG NVRNSLWRPS PFKCPTCRKE TSATGVNSLQ VNYSKLGIVE KYNKIKISPK MPVCKGHLGQ PLNIFCVTDM QLICGICATR GEHTKHVFSS IEDAYAREKN AFESLFQSFE TWRRGDALSR LDTLETNKRK ALQLLTKDSD KVKEFFEKLQ HTLDQKKNEI LSDFETMKLA VMQTYDPEIN KINTILQEQR MAFNIAEAFK DVSEPIIFLQ QMQEFREKIK VIKETPLPHS NLPTSPLMKN FDTSQWGDIA LVDVDKLSLP QDTGVFTSKI PWYPYLLMM VLLGLLIFF GPTVFLEWSP LDELATWKDY LSSFNSYLTK SADFIEQSVF YWEQMTDGGF IFGERVKNVS LVALNNVAEF ICKYKLL 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.
Characteristics:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	TRIM13
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Alternative Name:	Trim13 (TRIM13 Products)
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Background:	<p>E3 ubiquitin-protein ligase TRIM13 (EC 2.3.2.27) (Putative tumor suppressor RFP2) (RING-type E3 ubiquitin transferase TRIM13) (Ret finger protein 2) (Tripartite motif-containing protein 13),FUNCTION: Endoplasmic reticulum (ER) membrane anchored E3 ligase involved in the retrotranslocation and turnover of membrane and secretory proteins from the ER through a set of processes named ER-associated degradation (ERAD). This process acts on misfolded proteins as well as in the regulated degradation of correctly folded proteins. Enhances ionizing radiation-induced p53/TP53 stability and apoptosis via ubiquitinating MDM2 and AKT1 and decreasing AKT1 kinase activity through MDM2 and AKT1 proteasomal degradation. Regulates ER stress-induced autophagy, and may act as a tumor suppressor. Also plays a role in innate immune response by stimulating NF-kappa-B activity in the TLR2 signaling pathway. Ubiquitinates TRAF6 via the 'Lys-29'-linked polyubiquitination chain resulting in NF-kappa-B activation. Participates as well in T-cell receptor-mediated NF-kappa-B activation. In the presence of TNF, modulates the IKK complex by regulating IKBKG/NEMO ubiquitination leading to the repression of NF-kappa-B. {ECO:0000250 UniProtKB:O60858}.</p>
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Target Details

Molecular Weight: 47.0 kDa

UniProt: [Q9CYB0](#)

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