

Datasheet for ABIN7560250
TRIM7 Protein (AA 1-510) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIM7
Protein Characteristics:	AA 1-510
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Trim7 Protein expressed in mammalian cells.
Sequence:	<p>MATVGPRTGP NAGAEALALA AELQGEATCS ICLEFFREPV SVECGHSFCR ACIMRCWERP GAGTGTATRT LPCPLPCPQC REPARPSQLR PNRQLAAVVS LLRRFSLPPT APGERGTPAV PARAAAARCS QHGEQLKLYC QDDGRAICVV CDRAREHRSH AVLPLEEAVQ EAKELLSRL RALKKVLEDY EAFRSTEERE SKELLKQMAA EKEKVGAEFQ ALRAFLVEQE GRLLSRLEVEL SREVTQKQNE NLAQLEGEIT QLSKLSGQIQ ETAQKPDLDL LQEFKSTLSK CSSVPSSKPT TVSSEMKNKV WNVSLKSFVL KGLLKKFKED LQGELEKEEK VELTLDPDTA NPRILSLDL KSVRLGQRAQ DLPNHPRRFD TNTRVLASCG FSSGRHHWEV EVGSKDGFVAF GVARESRRK GLTPFTPEEG VWAMQLNNGQ YWAVTSPERT QLNCGHLSRV RVALDLEVGA VSFYAVEDMR HLYTRVNFQ ERVFPLFSVC STGTYLRIWP 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: TRIM7

Alternative Name: Trim7 ([TRIM7 Products](#))

Background: E3 ubiquitin-protein ligase TRIM7 (EC 2.3.2.27) (Glycogenin-interacting protein) (Tripartite motif-containing protein 7),FUNCTION: E3 ubiquitin-protein ligase that have both tumor-promoting and tumor-suppressing activities and functions in several biological processes including innate immunity, regulation of ferroptosis as well as cell proliferation and migration. Acts as an antiviral effector against multiple viruses by targeting specific viral proteins for ubiquitination and degradation including norovirus NTPase protein. Mechanistically, recognizes the C-terminal glutamine-containing motif generated by viral proteases that process the polyproteins and trigger their ubiquitination and subsequent degradation (PubMed:35972292). Mediates 'Lys-63'-linked polyubiquitination and stabilization of the JUN coactivator RNF187 in response to growth factor signaling via the MEK/ERK pathway, thereby regulating JUN transactivation and cellular proliferation (By similarity). Promotes the TLR4-mediated signaling activation through its E3

Target Details

ligase domain leading to production of pro-inflammatory cytokines and type I interferon (PubMed:30928727). Also plays a negative role in the regulation of exogenous cytosolic DNA virus-triggered immune response. Mechanistically, enhances the 'Lys-48'-linked ubiquitination of STING1 leading to its proteasome-dependent degradation. Mediates the ubiquitination of the SIN3-HDAC chromatin remodeling complex component BRMS1. Modulates NCOA4-mediated ferritinophagy and ferroptosis in glioblastoma cells by ubiquitinating NCOA4, leading to its degradation (PubMed:32126128). {ECO:0000250|UniProtKB:Q9C029, ECO:0000269|PubMed:30928727, ECO:0000269|PubMed:32126128, ECO:0000269|PubMed:35972292}.

Molecular Weight: 57.0 kDa

UniProt: [Q923T7](#)

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