

Datasheet for ABIN7544775

TRIM6 Protein (AA 1-488) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIM6
Protein Characteristics:	AA 1-488
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TRIM6 Protein expressed in mammalian cells.
Sequence:	<p>MTSPVLVDIR EEVTCPCLE LLTEPLSIDC GHSFCQACIT PNGRESVIGQ EGERSCPVCQ</p> <p>TSYQPGNLRP NRHLANIVRR LREVVLGPGK QLKAVLCADH GEKLQFCQE DGKVICWLCE</p> <p>RSQEHGRGHT FLVEEVAQEY QEKFAQESLKK LKNEEQEAEK LTAFIREKKT SWKNQMEPER</p> <p>CRIQTEFNQL RNILDRVEQR ELKKLEQEEK KGLRIIEEAE NDLVHQQTSL RELISDLERR</p> <p>CQGSTMELLQ DVSDVTERSE FWTLRKPEAL PTKLRSMFRA PDLKRMLRVC RELTDVQSYW</p> <p>VDVTLNPHTA NLNLVLAKNR RQVRVFGAKV SGPSCLEKHY DCSVLGSQHF SSGKHYYWEVD</p> <p>VAKKTAWILG VCSNSLGPTF SFNHFAQNHS AYSRYQPQSG YWVIGLQHNH EYRAYEDSSP</p> <p>SLLLSMTVPP RRVGVFLDYE AGTVSFYNVT NHGFPIYTFS KYYPPTTLCP YFNPCNCVIP</p> <p>MTLRRPSS 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

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, Western Blot

Grade:

custom-made

Target Details

Target:

TRIM6

Alternative Name:

TRIM6 ([TRIM6 Products](#))

Background:

Tripartite motif-containing protein 6 (EC 2.3.2.27) (RING finger protein 89) (RING-type E3 ubiquitin transferase TRIM6), FUNCTION: E3 ubiquitin ligase that plays a crucial role in the activation of the IKBKE-dependent branch of the type I interferon signaling pathway (PubMed:24882218, PubMed:31694946). In concert with the ubiquitin-conjugating E2 enzyme UBE2K, synthesizes unanchored 'Lys-48'-linked polyubiquitin chains that promote the oligomerization and autophosphorylation of IKBKE leading to stimulation of an antiviral response (PubMed:24882218). Ubiquitinates also MYC and inhibits its transcription activation activity, maintaining the pluripotency of embryonic stem cells (By similarity). Promotes the association of unanchored 'Lys-48'-polyubiquitin chains with DHX16 leading to enhanced RIGI-mediated innate antiviral immune response (PubMed:35263596). {ECO:0000250|UniProtKB:Q8BGE7, ECO:0000269|PubMed:24882218, ECO:0000269|PubMed:31694946, ECO:0000269|PubMed:35263596}., FUNCTION: (Microbial infection) Ubiquitinates ebolavirus protein VP35 leading to enhanced viral transcriptase activity.

Target Details

	{ECO:0000269 PubMed:28679761, ECO:0000269 PubMed:35533195}.
Molecular Weight:	56.4 kDa
UniProt:	Q9C030

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