

Datasheet for ABIN7558548

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



[Go to Product page](#)

Overview

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| Quantity: | 1 mg |
| Target: | TRIM6 |
| Protein Characteristics: | AA 1-488 |
| Origin: | Mouse |
| 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

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| Purpose: | Custom-made recombinat Trim6 Protein expressed in mammalian cells. |
| Sequence: | <p>MTSTVLVDIR DEVTCPICLE LLTEPLSIDC GHSFCQVCII GNSNNSVFGQ GGRSSCPVCR</p> <p>TSYQPGNLRP NRHLAAIVKR LREVALCPGK QLEVIFCALH GEKLQLFCKE DGKLICWLCE</p> <p>RSQEHGRGHT FLMEEVAQEY QDMFQESLKK LRREQQAEK LKALIQEKRE SWKSQVEPEK</p> <p>RRIQTEFKQL RSILDREEQR ELKKLEVEER KGLSIIIEKAE GDLIHQSQSL KDLISDLEHR</p> <p>CQGSTVELLQ DVGDVTKRSE FWTLRKPQAL PTKLKSLFRA PDLRKMLKVF RELTDVQSYW</p> <p>VDVTLPNQTA NLNLVLSKNR RQVRVGAQL SEPSSLEEYH DCSVLGSQHF SSGKYYWEVD</p> <p>VSKKTAWILG VCSTPVDPMF SFSQYSSKQG AYSRYQPQCG YWVIGLQCKH EYRAYEDSSP</p> <p>SLLLSMTVPP RRIGIFLDCE AGTVSFYNVT NHGLPIYTFS KYFSPSALCP YFNPSCSIVP</p> <p>MTLRRPTS 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

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| Characteristics: | <div>Key Benefits:</div> <ul style="list-style-type: none">• 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). <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> |
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| Purity: | > 90 % as determined by Bis-Tris Page, Western Blot |
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| Grade: | custom-made |
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Target Details

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| Target: | TRIM6 |
| Alternative Name: | Trim6 (TRIM6 Products) |
| Background: | <p>Tripartite motif-containing protein 6 (EC 2.3.2.27) (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). 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 (PubMed:22328504). Promotes the association of unanchored 'Lys-48'-polyubiquitin chains with DHX16 leading to enhancement of RIGI-mediated innate antiviral immune response (By similarity). {ECO:0000250 UniProtKB:Q9C030, ECO:0000269 PubMed:22328504, ECO:0000269 PubMed:24882218}.</p> |
| Molecular Weight: | 56.2 kDa |
| UniProt: | Q8BGE7 |

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

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| 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 |