

Datasheet for ABIN7555819

TRIM25 Protein (AA 1-630) (His tag)[Go to Product page](#)

Overview

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| Quantity: | 1 mg |
| Target: | TRIM25 |
| Protein Characteristics: | AA 1-630 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TRIM25 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant TRIM25 Protein expressed in mammalian cells. |
| Sequence: | MAELCPLAEE LSCSICLEPF KEPVTTPCGH NFCGSCNET WAVQGSPYLC PQCRAVYQAR PQLHKNTVLC NVVEQFLQAD LAREPPADVW TPPARASAPS PNAQVACDHC LKEAAVKTCL VCMASFQEH LQPHFDSPAF QDHPLQPPVR DLLRRKCSQH NRLREFFCPE HSECICHICL VEHKTCSPAS LSQASADLEA TLRHKLTVMY SQINGASRAL DDVRNRQQDV RMTANRKVEQ LQQEYTEMKA LLDASETST RKIKEEEKRV NSKFDTIYQI LKKKSEIQT LKEEIEQSLT KRDEFEFLEK ASKLRGISTK PVYIPEVELN HKLIKGIHQ S TIDLKNEKQ CIGRLQEPTP SSGDPGEHDP ASTHKSTRPV KKSKEEKKS KKPPVPALP SKLPTFGAPE QLVDLKQAGL EAAKATSSH PNSTSLKAKV LETFLAKSRP ELLEYIKVI LDYNTAHNKV ALSECYTVAS VAEMPQNYRP HPQRFTYCSQ VLGLHCYKKG IHYWEVELQK NNFCGVGICY GSMNRQGPES RLGRNSASWC VEFNTKISA WHNNVEKTL P STKATRVGVL LNCDHGFVIF FAVADKVHLM YKFRVDFTEA LYPAFWVFS A GATLSICSPK Sequence without tag. The proposed Purification- Tag is based on experiences with the expression system, a different complexity of the |

Product Details

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: 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: TRIM25

Alternative Name: TRIM25 ([TRIM25 Products](#))

Background: E3 ubiquitin/ISG15 ligase TRIM25 (EC 6.3.2.n3) (Estrogen-responsive finger protein) (RING finger protein 147) (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 (PubMed:16352599). Involved in innate immune defense against viruses by mediating ubiquitination of RIGI and IFIH1 (PubMed:17392790, PubMed:30193849, PubMed:33849980, PubMed:29357390, PubMed:31710640, PubMed:36045682). 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

Target Details

(PubMed:17392790, PubMed:23950712). Mediates 'Lys-63'-linked polyubiquitination of IFIH1 (PubMed:30193849). Promotes ISGylation of 14-3-3 sigma (SFN), an adapter protein implicated in the regulation of a large spectrum signaling pathway (PubMed:16352599, PubMed:17069755). Mediates estrogen action in various target organs (PubMed:22452784). Mediates the ubiquitination and subsequent proteasomal degradation of ZFH3 (PubMed:22452784). 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 (By similarity). 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 (PubMed:28202764, PubMed:28060952). Mediates also the ubiquitination of various substrates implicated in stress granule formation, nonsense-mediated mRNA decay, nucleoside synthesis and mRNA translation and stability (PubMed:36067236). {ECO:0000250|UniProtKB:Q61510, ECO:0000269|PubMed:16352599, ECO:0000269|PubMed:17069755, ECO:0000269|PubMed:17392790, ECO:0000269|PubMed:22452784, ECO:0000269|PubMed:23950712, ECO:0000269|PubMed:29357390, ECO:0000269|PubMed:30193849, ECO:0000269|PubMed:31710640, ECO:0000269|PubMed:33849980, ECO:0000269|PubMed:36045682, ECO:0000269|PubMed:36067236}.

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| Molecular Weight: | 71.0 kDa |
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| UniProt: | Q14258 |
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Application Details

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| 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. |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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| Buffer: | The buffer composition is at the discretion of the manufacturer. |
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| Handling Advice: | Avoid repeated freeze-thaw cycles. |
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| Storage: | -80 °C |
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Handling

Storage Comment: Store at -80°C.

Expiry Date: 12 months