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Datasheet for ABIN7558590

TRIM23 Protein (AA 1-574) (His tag)

Overview

Quantity:	1 mg
Target:	TRIM23
Protein Characteristics:	AA 1-574
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM23 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Trim23 Protein expressed in mammalian cells.
Sequence:	MAALAVNKPAGVDSGRQGS RGTAVVKVLE CGVCEDVFLS QGDKVPRLLL CGHTVCHDCL TRLPLHGRAI RCPFDRQVTD LGDSGVWGLK KNFALLELLE RLQNGHIGQY GAAEEAIGTS GESIIRCDDED EAHVASVYCT VCATHLCSDC SQVTHSTKTL AKHRRVPLAD KPHEKTMCCQ HQVHAIEFVC LEEGCQTSPL MCCVCKEYGK HQGHKHSVLE PEANQIRASI LDMAHCIRTF TEEISDYSRK LVGIVQHIEG GEQIVEDGIG MAHTEHVPGT AENARSCVRA YFSDLHETLC RQEEMALSVM DAHVREKLIW LRQQQEDMTI LLSQVSTACL HCEKTLQQDD CRVVLAKQEI TRLLETLQKQ QQQFTEVADH IQLDASIPVT FTKDNRVHIG PKMEIRVVTL GLDGAGKTTI LFKLLKQDEFM QPIPTIGFNV ETVEYKNLKF TIWVVGKHK LRPLWKHYLL NTQAVVFVVD SSHRDRISEA HSELAKLLTE KELRDALLLI FANKQDVAGA LSVEEITELL SLHLKCCGRS WYIQGCDARS GMGLYEGLDW LSRQLVAAGV LDVA 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

Product Details

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: TRIM23

Alternative Name: Trim23 ([TRIM23 Products](#))

Background: E3 ubiquitin-protein ligase TRIM23 (EC 2.3.2.27) (ADP-ribosylation factor domain-containing protein 1) (GTP-binding protein ARD-1) (RING-type E3 ubiquitin transferase TRIM23) (Tripartite motif-containing protein 23),FUNCTION: Acts as an E3 ubiquitin-protein ligase. Plays an essential role in autophagy activation during viral infection. Mechanistically, activates TANK-binding kinase 1/TBK1 by facilitating its dimerization and ability to phosphorylate the selective autophagy receptor SQSTM1. In order to achieve this function, TRIM23 mediates 'Lys-27'-linked auto-ubiquitination of its ADP-ribosylation factor (ARF) domain to induce its GTPase activity and its recruitment to autophagosomes. {ECO:0000250|UniProtKB:P36406}.

Molecular Weight: 63.9 kDa

Target Details

UniProt: [Q8BGX0](#)

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