

Datasheet for ABIN7555261
RNF216 Protein (AA 1-866) (His tag)



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Overview

Quantity:	1 mg
Target:	RNF216
Protein Characteristics:	AA 1-866
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF216 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RNF216 Protein expressed in mammalian cells.
Sequence:	MEEGNNNEEV IHLNNFHCHR GQEWINLRDG PITISDSSDE ERIPMLVTPA PQQHEEEDLD DDVILTEDDS EDDYGEFLDL GPPGISEFTK PSGQTEREPK PGPSHNQAAN DIVNPRSEQK VIILEEGSLL YTESDPLETQ NQSSDSETE LLSNLGESAA LADDQAI EED CWLDHPYFQS LNQQPREITN QVVPQERQPE AELGRLLFQH EFPGPAPFRP EPQQGGISGP SSPQPAHPLG EFEDQQLASD DEEPGPAFPM QESQEPNLEN IWGQEA AEVD QELVELLVKE TEARFPDVAN GFIEEIIHFK NYIDLNVLCN FLLNPDYPK REDRIIINPS SLLASQDET KLPKIDFFDY SKLTPLDQRC FIQAADLLMA DFKVLSSQDI KWALHELKGH YAITRKALSD AIKKWQELSP ETSGKRKRKRK QMNQYSYIDF KFEQGDIE KRMFFLENKR RHCRSYDRRA LLPAVQQEQE FYEQKIKEMA EHEDFLLALQ MNEEQYQKDG QLIECRCCYG EFPFEELTQC ADAHLFCKEC LIRYAQEA VF GSGKLELSCM EGCTCSFPT SELEKVLPT ILYKYYERKA EEEVAAAYAD ELVRCPCSF PALLSDV KR FSCP NPHCRK ETCRKCQGLW KEHNGLTCEE LAEKDDIKYR TSIEEKMTAA RIRKCHKCGT GLIKSEGCNR MSCRCGAQMC YLCRV SINGY DHFCQHPRSP

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GAPCQECSRC SLWTDPTEDD EKLIEEIQKE AEEEEQKRKNG ENTFKRIGPP LEKPVEKVQR
VEALPRPVPQ NLPQPMPY AFAHPPFPLP PVRPVFNNFP LNMGPIAPY VPPLPNVRVN
YDFGPIHMPL EHNLPMHFGP QPRHRF **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.**

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: RNF216

Alternative Name: RNF216 ([RNF216 Products](#))

Background: E3 ubiquitin-protein ligase RNF216 (EC 2.3.2.27) (RING finger protein 216) (RING-type E3 ubiquitin transferase RNF216) (Triad domain-containing protein 3) (Ubiquitin-conjugating enzyme 7-interacting protein 1) (Zinc finger protein inhibiting NF-kappa-B),FUNCTION: [Isoform 1]: E3 ubiquitin ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their ubiquitination (PubMed:34998453). Plays a role in the regulation of antiviral responses by promoting the degradation of TRAF3, TLR4 and

Target Details

TLR9 (PubMed:15107846, PubMed:19893624). In turn, down-regulates NF-kappa-B and IRF3 activation as well as beta interferon production. Participates also in the regulation of autophagy by ubiquitinating BECN1 leading to its degradation and autophagy inhibition (PubMed:25484083). Plays a role in ARC-dependent synaptic plasticity by mediating ARC ubiquitination resulting in its rapid proteasomal degradation (PubMed:24945773). Plays also an essential role in spermatogenesis and male fertility (By similarity). Mechanistically, regulates meiosis by promoting the degradation of PRKACB through the ubiquitin-mediated lysosome pathway (By similarity). Modulates the gonadotropin-releasing hormone signal pathway by affecting the stability of STAU2 that is required for the microtubule-dependent transport of neuronal RNA from the cell body to the dendrite (By similarity). {ECO:0000250|UniProtKB:P58283, ECO:0000269|PubMed:15107846, ECO:0000269|PubMed:19893624, ECO:0000269|PubMed:24945773, ECO:0000269|PubMed:25484083, ECO:0000269|PubMed:34998453}., FUNCTION: [Isoform 3]: Inhibits TNF and IL-1 mediated activation of NF-kappa-B. Promotes TNF and RIP mediated apoptosis. {ECO:0000269|PubMed:11854271}.

Molecular Weight: 99.4 kDa

UniProt: [Q9NWF9](#)

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