

Datasheet for ABIN7563465

RNF216 Protein (AA 1-853) (His tag)



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Overview

Quantity:	1 mg
Target:	RNF216
Protein Characteristics:	AA 1-853
Origin:	Mouse
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:	<p>MAEGNNKEEV IHLNNFPCHR GKEWMAVREG PITISDSSDE EGIPMLVTPA TEQQEDDLDD</p> <p>DVILTEDDSE DEYGGFLDLE SGKKEGEAKP GPSSKQTADD IVNPRLEQKV IILGENGLLF</p> <p>PESEPLEVQN QSSEDSETEL LSNPGEPAAAS VDDQLIGEEY WLDHPYFQAP NPQPQERTNQ</p> <p>VVPQERHSES EMGPMFFRHD FPEPAFPRPE PQQEGIPGPA SPQPAHPLGE LEDQQLAIDE</p> <p>DPGPAFPLSG PQEANLANMW EQEAAEVDQD LIPLLVKETE ARFPDVASGY VEEIIHLKNY</p> <p>YDLNVLCNFL LENPDYPKRE DRLIIHPSSS LLASQDDAKL PKIDFFDYSK LTPLDQRCFI</p> <p>QAADLLMADF KMLSSQDIKW ALHELKGHYA ITRKAFSDAI KKWQELSPET SGKRKKRKEM</p> <p>NQYSFIDFKF EQGNIEIEKR MFFLENKRRH CRYYDQHALL PAVKQEDEFY EQKIKEMAEH</p> <p>EDFLLALQMN EEQYQKDGQL IECRCYGEF PFEELTQCAD AHLFCCKECL RYAQEAVFGS</p> <p>GKSELSCMEG SCTCSFPTSE LEKVLPTIL YKYERKAEV EVAAAYADEL VRCPCSCFPA</p> <p>LLSDSVKRFS CPNPRCRKET CRKCQGLWKE HNGLTCEELA EKDDIKYRTS IEEKMTAARI</p> <p>RKCHKCGTGL IKSEGCNRMS CRCAQMCYL CRVSINGYDH FCQHPRSPGA PCQECSRCSL</p>

Product Details

WTDPTEDDEK LIEEIQKEAE EEQKRKNGEN TFKRIGPPLE KPAEKVQRVE ALPRPVPQNL
HPQMPPYAFV HPPFPLPPVR PVFNNFPINM GPVPAPYVPP LPNVRVNYDF GHMHVPLEHN
LPMHFGPQPR HRF **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) (UbcM4-interacting protein 83) (Ubiquitin-conjugating enzyme 7-interacting protein 1),FUNCTION: E3 ubiquitin ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their ubiquitination. Plays a role in the regulation of antiviral responses by promoting the degradation of TRAF3, TLR4 and TLR9. In turn, down-regulates NF-kappa-B and

Target Details

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. Plays a role in ARC-dependent synaptic plasticity by mediating ARC ubiquitination resulting in its rapid proteasomal degradation (By similarity). Plays also an essential role in spermatogenesis and male fertility (PubMed:30649198). Mechanistically, regulates meiosis by promoting the degradation of PRKACB through the ubiquitin-mediated lysosome pathway (PubMed:33724554). 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 (PubMed:37439148).
{ECO:0000250|UniProtKB:Q9NWF9, ECO:0000269|PubMed:30649198, ECO:0000269|PubMed:33724554, ECO:0000269|PubMed:37439148}.

Molecular Weight: 97.7 kDa

UniProt: [P58283](#)

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