

[Go to Product page](#)

Datasheet for ABIN7555255
RNF146 Protein (AA 1-359) (His tag)

Overview

Quantity:	1 mg
Target:	RNF146
Protein Characteristics:	AA 1-359
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF146 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat RNF146 Protein expressed in mammalien cells.
Sequence:	MMAGCGEIDH SINMLPTNRK ANESCSNTAP SLTVPECAIC LQTCVHPVSL PCKHVFCYLC VKGASWLGKR CALCRQEIPE DFLDKPTLLS PEELKAASRG NGEYAWYYEG RNGWWQYDER TSRELEDAFS KGKKNTEMLI AGFLYVADLE NMVQYRRNEH GRRRKIKRDI IDIPKKGVAG LRLDCDANTV NLARESSADG ADSVSAQSGA SVQPLVSSVR PLTSVDGQLT SPATPSPDAS TSLEDSFAHL QLSGDNTAER SHRGEGEEDH ESPSSGRVPA PDTSIEETES DASSDSEDVS AVVAQHSLTQ QRLLVSNANQ TVPDRSDRSR G TDRSVAGGGT VSVSVRSRRP DGQCTVTEV 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.
Characteristics:	Key Benefits:

Product Details

- 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, Western Blot
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Grade:	custom-made
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Target Details

Target:	RNF146
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Alternative Name:	RNF146 (RNF146 Products)
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Background:	<p>E3 ubiquitin-protein ligase RNF146 (EC 2.3.2.27) (Dactylidin) (Iduna) (RING finger protein 146) (RING-type E3 ubiquitin transferase RNF146),FUNCTION: E3 ubiquitin-protein ligase that specifically binds poly-ADP-ribosylated (PARsylated) proteins and mediates their ubiquitination and subsequent degradation (PubMed:21478859, PubMed:21799911, PubMed:22267412). May regulate many important biological processes, such as cell survival and DNA damage response (PubMed:21825151, PubMed:22267412). Acts as an activator of the Wnt signaling pathway by mediating the ubiquitination of PARsylated AXIN1 and AXIN2, 2 key components of the beta-catenin destruction complex (PubMed:21478859, PubMed:21799911). Acts in cooperation with tankyrase proteins (TNKS and TNKS2), which mediate PARsylation of target proteins AXIN1, AXIN2, BLZF1, CASC3, TNKS and TNKS2 (PubMed:21799911). Recognizes and binds tankyrase-dependent PARsylated proteins via its WWE domain and mediates their ubiquitination, leading to their degradation (PubMed:21799911). Different ubiquitin linkage types have been observed: TNKS2 undergoes ubiquitination at 'Lys-48' and 'Lys-63', while AXIN1 is only ubiquitinated at 'Lys-48' (PubMed:21799911). May regulate TNKS and TNKS2 subcellular</p>
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Target Details

location, preventing aggregation at a centrosomal location (PubMed:21799911). Neuroprotective protein (PubMed:21602803). Protects the brain against N-methyl-D-aspartate (NMDA) receptor-mediated glutamate excitotoxicity and ischemia, by interfering with PAR-induced cell death, called parthanatos (By similarity). Prevents nuclear translocation of AIFM1 in a PAR-binding dependent manner (By similarity). Does not affect PARP1 activation (By similarity). Protects against cell death induced by DNA damaging agents, such as N-methyl-N-nitro-N-nitrosoguanidine (MNNG) and rescues cells from G1 arrest (By similarity). Promotes cell survival after gamma-irradiation (PubMed:21825151). Facilitates DNA repair (PubMed:21825151). {ECO:0000250|UniProtKB:Q9CZW6, ECO:0000269|PubMed:21478859, ECO:0000269|PubMed:21602803, ECO:0000269|PubMed:21799911, ECO:0000269|PubMed:21825151, ECO:0000269|PubMed:22267412}.

Molecular Weight: 39.0 kDa

UniProt: [Q9NTX7](#)

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

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