

Datasheet for ABIN7552091
ANKRD9 Protein (AA 1-317) (His tag)



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Overview

Quantity:	1 mg
Target:	ANKRD9
Protein Characteristics:	AA 1-317
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANKRD9 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ANKRD9 Protein expressed in mammalian cells.
Sequence:	MPWDARRPGG GADGGPEASG AARSRAQKQC RKSSFAFYQA VRDLLPVWLL EDMRASEAFH WDERGAAAY SPSEALLYAL VHDHQAYAHY LLATFRRAL APPSAGFRCC AAPGPHVALA VRYNRVGILR RILRTLDFP AEERARVLDL RGCSRVEGGG TSLHVACELA RPECLFLLLG HGASPGLRDG GGLTPLELLL RQLGRDAGAT PSAAGAPASA PGEPRQRLL LLDLLALYTP VGAAGSARQE LLGDRPRWQR LLGEDKFQWL AGLAPPSLFA RAMQVLVTAI SPGRFPEALD ELPLPPFLQP LDLTGKG 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:

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	ANKRD9
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Alternative Name:	ANKRD9 (ANKRD9 Products)
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Background:	Ankyrin repeat domain-containing protein 9,FUNCTION: Substrate receptor subunit of a cullin-RING superfamily E3 ligase complex (CUL5-based E3 ubiquitin ligase complex) which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:30293565). Depending of the metabolic state of the cell, promotes the proteasomal degradation of IMPDH2, the rate-limiting enzyme in GTP biosynthesis or protects IMPDH2 by stabilizing IMPDH2 filaments assembly (PubMed:30293565, PubMed:31337707). Implicated in different cellular processes, like copper homeostasis and cell proliferation (PubMed:24522796, PubMed:30293565). {ECO:0000269 PubMed:24522796, ECO:0000269 PubMed:30293565, ECO:0000269 PubMed:31337707}.
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Molecular Weight:	34.3 kDa
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UniProt:	Q96BM1
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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
