

Datasheet for ABIN7552206  
**Arhgef9 Protein (AA 1-516) (His tag)**



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## Overview

Quantity:	1 mg
Target:	Arhgef9
Protein Characteristics:	AA 1-516
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Arhgef9 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat ARHGEF9 Protein expressed in mammalian cells.
Sequence:	MTLLITGDSI VSAEAVWDHV TMANRELAFK AGDVIKVLDA SNKDWWWGQI DDEEGWFPAS FVRLWVNQED EVEEGPSDVQ NGHLDPNSDC LCLGRPLQNR DQMRANVINE IMSTERHYIK HLKDICEGYL KQCRKRRDMF SDEQLKVIFG NIEDIYRFQM GFVRDLEKQY NNDDPHLSEI GPCFLEHQDG FWIYSEYCNN HLDACMELSK LMKDSRYQHF FEACRLLQQM IDIAIDGFLL TPVQKICKYP LQLAELLKYT AQDHSYRYV AAALAVMRNV TQQINERKRR LENIDKIAQW QASVLDWEGE DILDRSSELI YTGEMAWIYQ PYGRNQQRVF FLFDHQMVLK KKDILRRDIL YYKGRIDMDK YEVDIEDGR DDDFNVSMKN AFKLNKETE EIHLFFAKKL EEKIRWLRAF REERKMVQED EKIGFEISEN QKRQAAMTVR KVPKQKGVNS ARSVPPSYPP PQDPLNHGQY LVPDGLAQSQ VFEFTEPKRS QSPFWQNFSSR LTPFKK <b>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</b>

## Product Details

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### contact us.

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#### 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, Western Blot

#### Grade:

custom-made

## Target Details

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#### Target:

Arhgef9

#### Alternative Name:

ARHGEF9 ([Arhgef9 Products](#))

#### Background:

Rho guanine nucleotide exchange factor 9 (Colybistin) (PEM-2 homolog) (Rac/Cdc42 guanine nucleotide exchange factor 9),FUNCTION: Acts as a guanine nucleotide exchange factor (GEF) for CDC42. Promotes formation of GPHN clusters (By similarity).  
{ECO:0000250|UniProtKB:Q9QX73, ECO:0000269|PubMed:10559246}.

#### Molecular Weight:

61.0 kDa

#### UniProt:

[O43307](#)

#### Pathways:

[Neurotrophin Signaling Pathway](#)

## Application Details

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#### Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies

## Application Details

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as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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