

Datasheet for ABIN7563818

**ARHGEF15 Protein (AA 1-849) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	ARHGEF15
Protein Characteristics:	AA 1-849
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARHGEF15 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Arhgef15 Protein expressed in mammalien cells.
Sequence:	MSAQLPAAT PPTLKPPRII RPRPPSRHRA PHSPGPLHNG SSPKALPQIS NDASASVCTS IFWEPPTASL KPPALLPPSV SRTSLDSQTS PDSPTSSTPSP SPVSRRSISP EPAPCSPVPP PKPSGSSRTP LPSGPTPLQD GSASAPGTVR RLAGKFEWGA EGKAQSSDSL ERCSQGSTEV NGEKETPEAA LSGNGSQENG TPDAALACPP CCPCVCHVAK PGLLELRWVPV GSSEDILRIP CRASPLRASR SRINPPVISH PPVVLTSYRS TAERKLLPPL KPPKPTKVRQ DISTSEELPQ PDLKLPSEDG IQTATKAWEG DRPEGAPLNA PPVALEGREE EGLDGLKGLQ WELPLQDEPL YQTYRAAVLS EELWGVGEDG GPSPANPGEA PTFSRLPGPR NTLWQELPAV RGSGLLESLS PQERRMQESL FEVVTSEASY LRSLRLLTDT FVLSQALRDT LTPRDHHTLF SNVQRVQSVS ERFLGTLLSR VRSSPHITDL CDVVHAHAVG PFFVYVDYVR NQQYQEETYS RLMDTNVRFSS AELRRLQSLP KCERLPLPSF LLLPFQRITR LRMLLQNILS QTEEGSSRQE NAQKALGAVS KIIERCSAEV GRMKQTEELI RLTQRLRFHK VKALPLVSWV RRLELQEGELT ELGCRRGVVL

## Product Details

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FTSRPRFTPL CLLLFS DLLL ITQPKSGQRL QVLDYAHRS L VQAQQVPDPS GPPTFRLLSLL  
SNHQGRPTHR LLQAASLSDM QRWLGAFPTP GPLPCSPDTI YEDCECSQEL CSEPSTPSKT  
EGQSLESKAP RKHLHKNPEG WLKGLPGAFF AQLVCEVTGE HERRKHLRQH QKLEAVGPS  
SGTDPDTPQP **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.**

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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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

ARHGEF15

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### Alternative Name:

Arhgef15 ([ARHGEF15 Products](#))

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### Background:

Rho guanine nucleotide exchange factor 15 (Ephexin-5) (E5),FUNCTION: Specific GEF for RhoA activation. Does not activate RAC1 or CDC42. Regulates vascular smooth muscle contractility. Negatively regulates excitatory synapse development by suppressing the synapse-promoting activity of EPHB2. {ECO:0000269|PubMed:21029865}.

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### Molecular Weight:

92.9 kDa

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### UniProt:

[Q5FWH6](#)

## Application Details

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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.

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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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