

Datasheet for ABIN7561381

**ARFGAP1 Protein (AA 1-414) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	ARFGAP1
Protein Characteristics:	AA 1-414
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARFGAP1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Arfgap1 Protein expressed in mammalien cells.
Sequence:	<p>MASPRTRKVL KEVRAQDENN VCFECGAFNP QWVSVTYGIW ICLECSGRHR GLGVHLSFVR SVTMDKWKDI ELEKMKAGGN AKFREFLETQ DDYEPSWSLQ DKYSSRAAAL FRDKVATLAE GKEWSLESSP AQNWTTPQPK TLQFTAHRAS GQPQSAAASG DKAFEDWLND DLGSYQGAQE NRYVGFNGTV PPQKREDDFL NNAMSSLYSG WSSFTTGASK FASAAKEGAT KFGSQASQKA SELGHSLNEN VLKPAQEKVK EGRIFDDVSS GVSQ LASKVQ GVGSKGWRDV TTFSGKAED SSDRPLEGHS YQNSSG DNSQ NSNIDQSFWE TFGSAEPPKA KSPSSDSWTC ADASTGRRSS DSWDVWGSGS ASNKNSNSD GWESWEGASG EGRAKATKKA APSTADEGWD NQNW</p> <p><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.</b></p> <p><b>In case you have a special request, please contact us.</b></p>
Characteristics:	Key Benefits:

## Product Details

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- 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

## Target Details

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Target: ARFGAP1

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Alternative Name: Arfgap1 ([ARFGAP1 Products](#))

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Background: ADP-ribosylation factor GTPase-activating protein 1 (ARF GAP 1) (ADP-ribosylation factor 1 GTPase-activating protein) (ARF1 GAP) (ARF1-directed GTPase-activating protein),FUNCTION: GTPase-activating protein (GAP) for the ADP ribosylation factor 1 (ARF1). Involved in membrane trafficking and /or vesicle transport. Promotes hydrolysis of the ARF1-bound GTP and thus, is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles, a prerequisite for vesicle's fusion with target compartment. Probably regulates ARF1-mediated transport via its interaction with the KDELR proteins and TMED2. Overexpression induces the redistribution of the entire Golgi complex to the endoplasmic reticulum, as when ARF1 is deactivated. Its activity is stimulated by phosphoinositides and inhibited by phosphatidylcholine (By similarity). {ECO:0000250}.

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Molecular Weight: 45.3 kDa

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UniProt: [Q9EPJ9](#)

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Pathways: [p53 Signaling](#), [ER-Nucleus Signaling](#), [Unfolded Protein Response](#)

## 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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