

Datasheet for ABIN7555223
ARHGAP17 Protein (AA 1-881) (His tag)



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Overview

Quantity:	1 mg
Target:	ARHGAP17
Protein Characteristics:	AA 1-881
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARHGAP17 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ARHGAP17 Protein expressed in mammalian cells.
Sequence:	<p>MKKQFNRMKQ LANQTVGRAE KTEVLSEDLL QIERRLDTVR SICHHSHKRL VACFQGQHGT DAERRHKKLP LTALAQNMQE ASTQLEDLL GKMLETCGDA ENQLALELSQ HEVFVEKEIV DPLYGIAEVE IPNIQKQRKQ LARLVLDWDS VRARWNQAHK SSGTNFQGLP SKIDTLKEEM DEAGNKVEQC KDQLAADMYN FMAKEGEYGK FFVTLLEAQA DYHRKALAVL EKTLPEMRAH QDKWAEKPAF GTPLEEHLKR SGREIALPIE ACVMLLLETG MKEEGLFRIG AGASKLKKLK AALDCSTSHL DEFYSDPHAV AGALKSYLRE LPEPLMTFNL YEEWTQVASV QDQDKKLQDL WRTCQKLPPQ NFVNFYLIK FLAKLAQTSV VNKMTPSNIA IVLGNLLWA RNEGTLAEMA AATSVHVVAV IEPHQQHADW FFPEEVEFNV SEAFVPLTTP SSNHSFHTGN DSDSGTLERK RPASMAVMEG DLVKKESFGV KLMDFAQHRR GGTLNRKHIS PAFQPPLPPT DGSTVVPAGP EPPPQSSRAE SSSGGGTGPS SAGILEQGPS PGDGSPPKPK DPVSAVPAP GRNNSQIASG QNQPQAAAAGS HQLSMGQPHN AAGPSPHTLR RAVKKPAPAP PKPGNPPPGH PGGQSSSGTS</p>

Product Details

QHPPSLSPKP PTRSPSPPTQ HTGQPPGQPS APSQLSAPRR YSSSLSPIQA PNHPPPQPPT
QATPLMHTKP NSQGPPNPMA LPSEHGLEQP SHTPPQTPTP PSTPPLGKQN PSLPAPQTLA
GGNPETAQPH AGTLPRRPV PKPRNRPSVP PPPQPPGVHS AGDSSLTNTA PTASKIVTDS
NSRVSEPHRS IFPEMHSDSA SKDVPGRILL DIDNDTESTA L **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:

- 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

Target:

ARHGAP17

Alternative Name:

ARHGAP17 ([ARHGAP17 Products](#))

Background:

Rho GTPase-activating protein 17 (Rho-type GTPase-activating protein 17) (RhoGAP interacting with CIP4 homologs protein 1) (RICH-1),FUNCTION: Rho GTPase-activating protein involved in the maintenance of tight junction by regulating the activity of CDC42, thereby playing a central role in apical polarity of epithelial cells. Specifically acts as a GTPase activator for the CDC42 GTPase by converting it to an inactive GDP-bound state. The complex formed with AMOT acts by regulating the uptake of polarity proteins at tight junctions, possibly by deciding whether

Target Details

tight junction transmembrane proteins are recycled back to the plasma membrane or sent elsewhere. Participates in the Ca(2+)-dependent regulation of exocytosis, possibly by catalyzing GTPase activity of Rho family proteins and by inducing the reorganization of the cortical actin filaments. Acts as a GTPase activator in vitro for RAC1. {ECO:0000269|PubMed:11431473, ECO:0000269|PubMed:16678097}.

Molecular Weight: 95.4 kDa

UniProt: [Q68EM7](#)

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