

Datasheet for ABIN7555227

ARHGAP18 Protein (AA 1-663) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ARHGAP18
Protein Characteristics:	AA 1-663
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARHGAP18 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ARHGAP18 Protein expressed in mammalian cells.
Sequence:	<p>MSWLSSSQGV VLTAYHPSGK DQTVGNShak AGEeATSSRR YGQYTMNQES TTIKVMekPP FDRSISQDSL DELSMEDYWI ELENIKKSSE NSQEDQEVV VKEPDEGELE EEWLKEAGLS NLFGESAGDP QESIVFLSTL TRTQAAAVQK RVETVSQTLR KKNKQYQIPD VRDIFAQQRE SKETAPGGTE SQSLRTNENK YQGRDDEASN LVGEEKLIPP EETPAPETDI NLEVSFAEQA LNQKESKKEK IQKSKGDDAT LPSFRLPKDK TGTRIGDLA PQDMKKVCHL ALIELTALYD VLGIELKQQK AVKIKTKDSG LFCVPLTALL EQDQRKVPGM RIPLIFQKLI SRIEERGLET EGLLRIPGAA IRIKNLCQEL EAKFYEGTFN WESVKQHDAE SLLKLFIREL PQPLLSVEYL KAFQAVQNLP TKKQQLQALN LLVILLPDAN RDTLKALLEF LQRVIDNKEK NKMTVMNVAM VMAPNLFMCH ALGLKSSEQR EFVMAAGTAN TMHLLIKYQK LLWTIPKFIV NQVRKQNTEN HKKDKRAMKK LLKKMAYDRE KYEKQDKSTN DADVPQGVIR VQAPHLKSVS MAIQLTEELK ASDVLARFLS QESGVAQTLK KGEVFLYEIG GNIGERCLDD DTYMKDLYQL NPNAEWWIKS KPL</p>

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:

ARHGAP18

Alternative Name:

ARHGAP18 ([ARHGAP18 Products](#))

Background:

Rho GTPase-activating protein 18 (MacGAP) (Rho-type GTPase-activating protein 18),FUNCTION: Rho GTPase activating protein that suppresses F-actin polymerization by inhibiting Rho. Rho GTPase activating proteins act by converting Rho-type GTPases to an inactive GDP-bound state (PubMed:21865595). Plays a key role in tissue tension and 3D tissue shape by regulating cortical actomyosin network formation. Acts downstream of YAP1 and inhibits actin polymerization, which in turn reduces nuclear localization of YAP1 (PubMed:25778702). Regulates cell shape, spreading, and migration (PubMed:21865595). {ECO:0000269|PubMed:21865595, ECO:0000269|PubMed:25778702}.

Molecular Weight:

75.0 kDa

Target Details

UniProt: [Q8N392](#)

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