

Datasheet for ABIN7564385

## ARHGAP22 Protein (AA 1-702) (His tag)



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### Overview

Quantity:	1 mg
Target:	ARHGAP22
Protein Characteristics:	AA 1-702
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARHGAP22 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Arhgap22 Protein expressed in mammalian cells.
Sequence:	<p>MLPTASSKRR TFAARYFTRS KSLVMGEQSR SPGRPLVPHK LGPVLKAGWL RKQRSIMKNW</p> <p>QQRWFVLRGD QLFYYKDKDE SKPQGFIQLQ GTQVTELLPD PEDPGKHLFE ITPGGATERE</p> <p>KVPANPEALL LMASSQRDME DWVQAIRRVV WAPLGRGIFG QRLEDTVHHE RKFGPRLAPL</p> <p>LVEQCVDFIR ERGLSEEGFL RMPGQANLVR DLQDSFDCGE KPLFDSTTDV HTVASLLKLY</p> <p>LRELPEVIP FARYEDFLSC AQLLTKDEGE GTVELAKQVS NLPQANYNLL RYICKFLDEV</p> <p>QAHSVDNKMV VQNLATVFGP NILRPQIEDP VTIMEGTSLV QHLMTVLIRK HGQLFAATSL</p> <p>EEPASPHGTV EWGSEEVTRD HRGEPGSPGL PTHRTSSLDG PAAAVLSRTS PPRLGSQTGP</p> <p>AATSPGKKMH TLPVWKSSFR QQGSRSESPK GVNSSLEVPI ISSGGNWLIN GLSSLRSHRR</p> <p>ASSGDRDKDT GSAQRLSTYD NVPPSSQFSS TASVASTSWS VASSSREASV SSCTACRASN</p> <p>SSACSSLHTE WALEPSPLPS SSEGHQSPDL GHSLDEPCVG SGSSEPNDPG SPTQAHVRRR</p> <p>RALQGQVAEL RAELCQQRTE YKRSLKSIEE GSADLRKQMS RLEEELDQER KKYAMLEIKL</p>

## Product Details

RNSERAREDA ERRNQLLQRE MEEFFSTLGS LTTGTKGSRA PE **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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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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

Target:	ARHGAP22
Alternative Name:	Arhgap22 ( <a href="#">ARHGAP22 Products</a> )
Background:	<p>Rho GTPase-activating protein 22 (Rho-type GTPase-activating protein 22) (p68RacGAP),FUNCTION: Rho GTPase-activating protein involved in the signal transduction pathway that regulates endothelial cell capillary tube formation during angiogenesis. Acts as a GTPase activator for the RAC1 by converting it to an inactive GDP-bound state. Inhibits RAC1-dependent lamellipodia formation. May also play a role in transcription regulation via its interaction with VEZF1, by regulating activity of the endothelin-1 (EDN1) promoter. {ECO:0000269 PubMed:14966113}.</p>
Molecular Weight:	77.8 kDa

## Target Details

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UniProt: [Q8BL80](#)

## 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.

Restrictions: For Research Use only

## Handling

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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