

Datasheet for ABIN7555229

ARHGAP24 Protein (AA 1-748) (His tag)



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Overview

Quantity:	1 mg
Target:	ARHGAP24
Protein Characteristics:	AA 1-748
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARHGAP24 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ARHGAP24 Protein expressed in mammalian cells.
Sequence:	<p>MEENNDSTEN PQQGQGRQNA IKCGWLRKQG GFVKTWHTRW FVLKGDQLYY FKDEDETKPL</p> <p>GTIFLPGNKV SEHPCNEENP GKFLFEVVP GDRDRMTANH ESYLLMASTQ NDMEDWVKSI</p> <p>RRVIWGPFGG GIFGQKLEDT VRYEKRYG NR LAPMLVEQCV DFIRQRGLKE EGLFRLPGQA</p> <p>NLVKELQDAF DCGEKPSFDS NTDVHTVASL LKLYLRELPE PVIPIAKYED FLSCAKLLSK</p> <p>EEEAGVKELA KQVKSLPVVN YNLLKYICRF LDEVQSYSGV NKMSVQNLAT VFGPNILRPK</p> <p>VEDPLTIMEG TVVVQQLMSV MISKHDCLFP KDAELQSKPQ DGVSNNNEIQ KKATMGQLQN</p> <p>KENNNTKDSP SRQCSWDKSE SPQRSSMNNG SPTALSGSKT NSPKNSVHKL DVSRSPPLMV</p> <p>KKNPAFNKGS GIVTNGSFSS SNAEGLEKTQ TTPNGSLQAR RSSSLKVSQT KMGTHSVQNG</p> <p>TVRMGILNSD TLGNPTNVRN MSWLPNGYVT LRDNKQKEQA GELGQHNRLS TYDNVHQQFS</p> <p>MMNLDDKQSI DSATWSTSSC EISLPENSNS CRSSTTTCPE QDFFGGNFED PVLGPPQDD</p> <p>LSHPRDYESK SDHRVGGGRS SRATSSSDNS ETFVGNSSSN HSALHSLVSS LKQEMTKQKI</p> <p>EYESRIKSLE QRNLTLET MSLHDELDQE RKKFTMIEIK MRNAERAKED AEKRN DMLQK</p>

Product Details

EMEQFFSTFG ELTVEPRRTE RGNTIWIQ **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: ARHGAP24

Alternative Name: ARHGAP24 ([ARHGAP24 Products](#))

Background: Rho GTPase-activating protein 24 (Filamin-A-associated RhoGAP) (FilGAP) (RAC1- and CDC42-specific GTPase-activating protein of 72 kDa) (RC-GAP72) (Rho-type GTPase-activating protein 24) (RhoGAP of 73 kDa) (Sarcoma antigen NY-SAR-88) (p73RhoGAP),FUNCTION: Rho GTPase-activating protein involved in cell polarity, cell morphology and cytoskeletal organization. Acts as a GTPase activator for the Rac-type GTPase by converting it to an inactive GDP-bound state. Controls actin remodeling by inactivating Rac downstream of Rho leading to suppress leading edge protrusion and promotes cell retraction to achieve cellular polarity. Able to suppress RAC1

Target Details

and CDC42 activity in vitro. Overexpression induces cell rounding with partial or complete disruption of actin stress fibers and formation of membrane ruffles, lamellipodia, and filopodia. Isoform 2 is a vascular cell-specific GAP involved in modulation of angiogenesis. {ECO:0000269|PubMed:15302923, ECO:0000269|PubMed:15611138, ECO:0000269|PubMed:16862148}.

Molecular Weight:	84.3 kDa
UniProt:	Q8N264
Pathways:	Regulation of Cell Size, Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	We expect the protein to work for functional studies. 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