

Datasheet for ABIN7564514

ARHGAP24 Protein (AA 1-747) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ARHGAP24
Protein Characteristics:	AA 1-747
Origin:	Mouse
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:	MEERCESTES PQQGGRKNTK CGWLRKQGGF VKTWHTRWFV LKGDQLYYFK DEDETKPLGT IFLHGNKVIE HPCNEENPGK FLFDVVPGGE RDRMTANHES YLLMASTQND MEDWVKSIRR VIWGPFGGGI FGQKLEDTV RYKRYGNRLA PMLVEQCVDF IRQRGLKEEG LFRLPGQANL VKELQDAFDC GEKPSFDSNT DVHTVASLLK LYLRELPEPV VPYAKYEDFL SCATLLSKEE EAGVKELMKQ VKSLPVVNYN LLKYICRFLD EVQSYSGV NK MSAQNLATVF GPNILRPKVE DPLTIMEGTV VVQQLMSVMI SKHDRLFPKD TEPQSKPQDG PNSNNNDGHK KATMGQLQNK ENNTKESPV RRCSWDKPES PQRSSVDNGS PTALSGSKTN SPRNSIHKLD ISRSPPLMVK KNPAFNKGSG IVTNGSFSS NAEGVEKPQT TPNGSLQARR TSSLKSSGTK MGTHSVQNGT VRMGILNTDT LGNSLNGRSM SWLPNGYVTL RDNKQKEPAG ESGQHNRLST YDNVHQFSS MSLDDKHSVD SATWSTSSCE ISLPENSNSC RSSTTTCPEQ DFYVGNFEDP VLDGPPQDDL SHPGDYENKS DRRSVGGRSS RATSSSDNSE TFGVNTSSNH SALHSLVSSL KQEMTKQKIE YESRIKSLEQ RNLTLETEML SLHDELQER KKFTMIEIKM RNAERAKEDA EKRNDMLQKE

Product Details

MEQFFSTFGD LTVEPRRSER GNTIWIQ **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 (Rho-type GTPase-activating protein 24),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 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

Target Details

(By similarity). {ECO:0000250}.

Molecular Weight: 84.1 kDa

UniProt: [Q8C4V1](#)

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