Datasheet for ABIN7564823

GRLF1 Protein (AA 1-1499) (His tag)

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Overview

Quantity:	1 mg
Target:	GRLF1
Protein Characteristics:	AA 1-1499
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GRLF1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Arhgap35 Protein expressed in mammalian cells.
Sequence:	MMMARKQDVR IPTYNISVVG LSGTEKEKGQ CGIGKSCLCN RFVRPSADEF HLDHTSVLST SDFGGRVVNN DHFLYWGEVS RSLEDCVECK MHIVEQTEFI DDQTFQPHRS TALQPYIKRA AATKLASAEK LMYFCTDQLG LEQDFEQKQM PDGKLLVDGF LLGIDVSRGM NRNFDDQLKF VSNLYNQLAK TKKPIVVVLT KCDEGVERYI RDAHTFALSK KNLQVVETSA RSNVNVDLAF STLVQLIDKS RGKTKIIPYF EALKQQSQQI ATAKDKYEWL VSRIVKNHNE NWPSVSRKMQ ASPEYQDYVY LEGTQKAKKL FLQHIHRLKH EHIERRRKLY LAALPLAFEA LIPNLDEVDH LSCIKAKKLL ETKPEFLKWF VVLEETPWDA TSHIDNMENE RIPFDLMDTV PAEQLYETHL EKLRNERKRA EMRRAFKENL ETSPFITPGK PWEEARSFIM NEDFYQWLEE SVYMDIYGKH QKQIIDRAKE EFQELLLEYS ELFYELELDA KPSKEKMGVI QDVLGEEQRF KALQKLQAER DALILKHIHF VYHPTKETCP SCPACVDAKI EHLISSRFIR PSDRNQKNSL SDLNIDRINL VILGKDGLAR ELANEIRALC TNDDKYVIDG KMYELSLRPI EGNVRLPVNS FQTPTFQPHG CLCLYNSKES LSYVVESIEK SRESTLGRRD NHLVHLPLTL ILVNKRGDTS GETLHSLIQQ

	GQQIASKLQC VFLDPASAGI GYGRNINEKQ ISQVLKGLLD SKRNLNLVSS TASIKDLADV DLRIVMCLMC GDPFSADDVL SPVLQSQTCK SSHCGSSNSV LLELPIGLHK KRIELSVLSY HSSFSIRKSR LVHGYIVFYS AKRKASLAML RAFLCEVQDI IPIQLVALTD GAIDVLDNDL SREQLTEGEE IAQEIDGRFT SIPCSQPQHK LELFHPFFKD VVEKKNIIEA THMYDNVAEA CSTTEEVFNS PRAGSPLCNS NLQDSEEDVE PPSYHLFRED ATLPSLSKDH SKFSMELEGN DGLSFIMSNF ESKLNNKVPP PVKPKPPVHF DITKDLSYLD QGHREGQRKS MSSSPWMPQD GFDPSDYAEP MDAVVKPRNE EENIYSVPHD STQGKIITIR NINKAQSNGS GNGSDSEMDT SSLERGRKVS AVSKPVLYRT RCTRLGRFAS YRTSFSVGSD DELGPIRKKE EDQASQGYKG DNAVIPYETD EDPRRRNILR SLRRNTKKPK PKPRPSITKA TWESNYFGVP LTTVVTPEKP IPIFIERCIE YIEATGLSTE GIYRVSGNKS EMESLQRQFD QDHNLDLAEK DFTVNTVAGA MKSFFSELPD PLVPYSMQID LVEAHKINDR EQKLHALKEV LKKFPKENHE VFKYVISHLN KVSHNNKVNL MTSENLSICF WPTLMRPDFS SMDALTATRS YQTIIELFIQ QCPFFFYNRP ISEPPGAAPG SPSAMAPTVP FLTSTPATSQ PSPPQSPPPT PQSPMQPLLS SQLQAEHTL **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:	GRLF1
Alternative Name:	Arhgap35 (GRLF1 Products)
Background:	Rho GTPase-activating protein 35 (Glucocorticoid receptor DNA-binding factor 1),FUNCTION: Rho GTPase-activating protein (GAP). Binds several acidic phospholipids which inhibits the Rho GAP activity to promote the Rac GAP activity (PubMed:16971514). This binding is inhibited by phosphorylation by PRKCA (By similarity). Involved in cell differentiation as well as cell adhesion and migration, plays an important role in retinal tissue morphogenesis, neural tube fusion, midline fusion of the cerebral hemispheres and mammary gland branching morphogenesis (PubMed:11044403, PubMed:11283609, PubMed:18502760, PubMed:21945077). Transduces signals from p21-ras to the nucleus, acting via the ras GTPase-activating protein (GAP) (PubMed:16971514). Transduces SRC-dependent signals from cell-surface adhesion molecules, such as laminin, to promote neurite outgrowth. Regulates axon outgrowth, guidance and fasciculation (PubMed:11283609). Modulates Rho GTPase-dependent F-actin polymerization, organization and assembly, is involved in polarized cell migration and in the positive regulation of ciliogenesis and cilia elongation (PubMed:11044403, PubMed:26859289, PubMed:18502760). During mammary gland development, is required in both the epithelial and stromal compartments for ductal outgrowth (PubMed:21945077). Represses transcription of the glucocorticoid receptor by binding to the cis-acting regulatory sequence 5'-GAGAAAAGAAACTGGAGAAACTC-3', this function is however unclear and would need additional experimental evidences (By similarity). {ECO:0000250|UniProtKB:Q9NRY4, ECO:0000269|PubMed:11044403, ECO:0000269|PubMed:11283609, ECO:0000269|PubMed:16971514, ECO:0000269|PubMed:18502760, ECO:0000269|PubMed:21945077, ECO:0000269|PubMed:26859289}.
Molecular Weight:	170.4 kDa
UniProt:	Q91YM2
Pathways:	Tube Formation

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