

Datasheet for ABIN7562134

ARHGEF5 Protein (AA 1-1581) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ARHGEF5
Protein Characteristics:	AA 1-1581
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARHGEF5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Arhgef5 Protein expressed in mammalien cells.
Sequence:	MEAEPEYGV STEVPDIEEL KTIPEGIMRS SQIPALDPEA QEDRDPSYKW TDGHRPVMNQ SKVLRDMGDH TPNSMAIFFK KESSDMETSQ EILLAEACNT PDQQEAVIQS LKDRLSRTIA APELLACAVQ EEWLDIPSKL DNRVGAELQS ELMSLTLAVS KEKEEEEETSP DTSIPRGSWP PCKTHPGETE QTQGSSELL RQGKQLQLEA TQENQGQEGF LQSQEAQGLE EQEGQEVEIQ EEGTLNEGIC FGILLGEQEE VEEGFNGNEE EQKQGQIQSY MLLGGQWENE GLSGELEGLN YSERQENRE RRVWVLRDSE EEGQDQESRE VEERRVATQY TENQRLVEKS EIVKRKQRDH DQTGKVMMPVR DQKEVVDSDG RVQGNQDSSG QTAVEGSRPG EDSKPSLPVA SVDPEVLSPG TLFPGISSSV ADIPQIQKEP VCEELSPQAP ALEPTEWSHQ PISPPASFAP EESLDNRTHN SQQEEFRLRK GIEVVSASTS VAPSGTRDSP PFSPPNVFSS TATLSPVSSS VILPEETPTA SASADTPHHC GPCETPPLPA KSSRYPCATS DTANPHSPLS SYTGVTQHLR SNSFPGSHRT EQTPDSLGM SLSFSLHLELPQ RPPKPAIYGS LTPRRNRRSR DGIVFSDSST ALFALKQDSE

EFTSNPERPS SPHGSPTWGS PQNSAFAIGS PANVSSPPTV SMDMTIREAL LPIPPEKRHS
YSHIVERDGL LHEVASTLKR HSHPPPLTLS SGLHRSSKGS FSLVPDSTVA RQHRPLPSTP
ESPNHTQTSI PSRLRYNKPL PPTPDMPEFY HPSISSSYIS RMYRPLPPVP IIDPSSEPPP
LPPKSRGRSK SIQGGVIHSG GQAKPRPNNQ DWTASTLSVG RTSWPATGR STESLPLTSR
CNNEVSPGLA FSNMTNLLSP SSPTTPWIPD LQRPTTKDES GLTEESEPPV RGSFRRSAPQ
EEFNNTRRSA LGSRKNSEKP LHHQLEKASS WPHRRDPART SESSSEQVVL GQVPNKQKGW
NRQGLRRPSI LPESSDLRN PAAGRLPGSS DSVVFREKKP KEGMGGFSRR CSKLISSQLL
YQEYSDVVLN KEIQSQQLD SLAEPHGLSS PRHRRKALVS SDSYLQRLSM ASSGSLWQEI
PVVRNSTVLL SMTHEDQKLQ EAKFELIVSE ASYLRSLNIA VDHFQHSAQL RGTLSNQDHQ
WLFSRLQDVR DVSTTFLSDL EENFENNIFS FQVCDVVLNH AADFHRVYLP YVTNQTYQER
TFQSLMNSNS SFREVLEKLE SDPICQLSL KSFLILPFQR ITRLKLLQN ILKRTQPGSS
EEAEATKAHH ALEKLIRDCN SNVQRMRRTE ELIYLSQKIE FECKIFPLIS QSRWLKSGE
LTALEFSVSP GLRRKLTRP VHLHLFNDCL LLSRPREGSR FLVFDHAPFS SIRGEKCEMK
LHGPHKNLFR LLLHNAQGT QVEFLFRTE QSEKLRWISA LAMPREELDL LECYDSPQVQ
CLRAYKPREN DELALEKADV VMVTQQSSDG WLEGVRLSDG EQGWFPVQVQ EFISNPEVRA
QNLKEAHRVK TAKLQLVEQQ V **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:	ARHGEF5
Alternative Name:	Arhgef5 (ARHGEF5 Products)
Background:	<p>Rho guanine nucleotide exchange factor 5,FUNCTION: Guanine nucleotide exchange factor which activates Rho GTPases (PubMed:19713215, PubMed:21525037). Strongly activates RHOA (PubMed:19713215, PubMed:21525037). Also strongly activates RHOB, weakly activates RHOC and RHOG and shows no effect on RHOD, RHOV, RHOQ or RAC1 (PubMed:19713215). Involved in regulation of cell shape and actin cytoskeletal organization (PubMed:21525037). Plays a role in actin organization by generating a loss of actin stress fibers and the formation of membrane ruffles and filopodia (By similarity). Required for SRC-induced podosome formation (PubMed:21525037). Involved in positive regulation of immature dendritic cell migration (PubMed:19713215). {ECO:0000250 UniProtKB:Q12774, ECO:0000269 PubMed:19713215, ECO:0000269 PubMed:21525037}.</p>
Molecular Weight:	176.7 kDa
UniProt:	E9Q7D5

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