

Datasheet for ABIN7552205

ARHGEF5 Protein (AA 1-1597) (His tag)



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Overview

Quantity:	1 mg
Target:	ARHGEF5
Protein Characteristics:	AA 1-1597
Origin:	Human
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 mammalian cells.
Sequence:	MEAEAAQRGA SPPISAIIEF SIIEAPMRS SQVSALGLEA QEDEDPSYKW REEHRLSATQ QSELRDVCDY AIETMPSFPK EGSADVEPNQ ESLVAEACDT PEHWEAVPQS LAGRQARTLA PPELWACPIQ SEHLDMAFPS SDLGSEEEV EFWPGLTSLT LGSGQAESEE ETSSDNSGQT RYYSPCEEHP AETNQNEGSE SGTIRQGEEL PPEELQESQG LLHPQEVQVL EEQGQQEAGF RGEGTLREDV CADGLLGEEQ MIEQVNDEKG EQKQKQEQVQ DVMLGRQGER MGLTGEPEGL NDGEWEQEDM ERKAQGQGGP EQGEERKREL QVPEENRADS QDEKSQTFLG KSEEVTKGQE DHGIKEKGVP VSGQEAKEPE SWDGGRLGAV GRARSREEN EHHGSPMPAL IAPEDSPHCD LFGASYLMT QIPGTQTESR AEELSPAALS PSLEPIRC SH QPISLLGSFL TEESPDKEID QNSQQEESRL RKGTVSSQGT EVVFASASVT PPRTPD SAPP SPAEAYPITP ASVSARPPVA FPRRETSCAA RAPETASAPL SMDDPSPCGT SEMCPAALYG FPSTGTSPPR PPA NSTGT VQ HLRSDSFPGS HRTEQTPDLV GMLLSYSHSE LPQRPPKPAI YSSVTPRRDR RSGRDYSTVS

ASPTALSTLK QDSQESISNL ERPSSPPSIQ PWVSPHNPAF ATESPAYGSS PSFVSMEDVR
IHEPLPPPPP QRRDTHPSV ETGDHARVVV PTLKQHSHP PLALGSLHA PHKGPLPQAS
DPAVARQHRP LPSTPDSSH AQATPRWRYN KPLPPTDLP QPHLPPISAP GSSRIYRPLP
PLIIDPTE PPPLPPKSRG RSRSTRGGHM NSGGHAKTRP ACQDWTVPLP ASAGRTSWPP
ATARSTESFT STSRKSEVS PGMAFSNMTN FLCPSSTTP WTPQLQGPTS KDEAGVSEHP
EAPAREPLRR TTPQQGASGP GRSPVGQARQ PEKPSHLHLE KASSWPHRRD SGRPPGDSSG
QAVAPSEGAN KHKGWSRQGL RRPSILPEGS SDSRGPAVEK HPGPSDTPVF REKKPKEVMG
GFSRRCSKLI NSSQLLYQEY SDVVLNKEIQ SQQRLESLSLSE TPGPSSPRQP RKALVSSSEY
LQRLSMASG SLWQEIPVVR NSTVLLSMTH EDQKLQEVKF ELIVSEASYL RSLNIAVDHF
QLSTSLRATL SNQEHQWLFS RLQDVRDVSA TFLSDLEENF ENNIFSFQVC DVVLNHAPDF
RRVYLPYVTN QTYQERTFQS LMNSNSNFRE VLEKLESDPV CQRLSLKSFL ILPFQRITRL
KLLLQNILKR TQPGSSEAE ATKAHHALEQ LIRDCNNNVQ SMRRTTEELIY LSQKIEFECK
IFPLISQSRW LVKSGELTAL EFSASPLRR KLNTRPVHLH LFNDCLLLSR PREGSRFLVF
DHAPFSSIRG EKCEMKLHGP HKNLFRFLR QNTQGAQAEF LFRTEQSEK LRWISALAMP
REELDLLECY NSPQVQCLRA YKPRENDELA LEKADVMMVT QQSSDGWLEG VRLSDGERGW
FPVQQVEFIS NPEVRAQNLK EAHRVKTAKL QLVEQQA **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

Product Details

Grade: custom-made

Target Details

Target: ARHGEF5

Alternative Name: ARHGEF5 ([ARHGEF5 Products](#))

Background: Rho guanine nucleotide exchange factor 5 (Ephexin-3) (Guanine nucleotide regulatory protein TIM) (Oncogene TIM) (Transforming immortalized mammary oncogene) (p60 TIM),FUNCTION: Guanine nucleotide exchange factor which activates Rho GTPases (PubMed:15601624). Strongly activates RHOA (PubMed:15601624). Also strongly activates RHOB, weakly activates RHOC and RHOG and shows no effect on RHOD, RHOV, RHOQ or RAC1 (By similarity). Involved in regulation of cell shape and actin cytoskeletal organization (PubMed:15601624). Plays a role in actin organization by generating a loss of actin stress fibers and the formation of membrane ruffles and filopodia (PubMed:14662653). Required for SRC-induced podosome formation (By similarity). Involved in positive regulation of immature dendritic cell migration (By similarity). {ECO:0000250|UniProtKB:E9Q7D5, ECO:0000269|PubMed:14662653, ECO:0000269|PubMed:15601624}.

Molecular Weight: 176.8 kDa

UniProt: [Q12774](#)

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.

Handling

Expiry Date: 12 months