

Datasheet for ABIN7562014
CdGAP Protein (AA 1-1425) (His tag)



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Overview

Quantity:	1 mg
Target:	CdGAP (ARHGAP31)
Protein Characteristics:	AA 1-1425
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CdGAP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Arhgap31 Protein expressed in mammalian cells.
Sequence:	MKNKGAKQKL KRKGAASAFG CDLTEYLESS GQDVPYVLKS CAEFIETHGI VDG IYRLSGI TSNIQRLRQE FGSDQCPDLT REVYLQDIHC VGSLCKLYFR ELPNPLLTYE LYEFTEAVS HRPEEQLAR IQNVILELPP PHYRTLEYLI RHLAHIASFS SKTNMHARNL ALVWAPNLLR SKKIEATICN GDA AFLAVRV QQVVIEFILN HADQIFNGGA PGALQQDESR TITKSLTLPA LSLPMKLVSL EEAQARSLAT NHPARKERRE NSLPEIVPPP FHTVLELPDN KRKLSKSKK WKSIFNLGRS GSDSKSLSR NGSVFVRGQR LSVEKATIRP AKSMDSLCSV PVEGKENKGN FSRTVTTGGF FIPATKMHAS STGSSCDLSK EGEWGQEGMP AGAEGGCEVG GQIRPLPEQL KVFRPIGDPE SEQSAPKLLG MFYTSSDSPG KSVFTSSLFQ MEPSPRHQRK ALNISEPFAV SVPLRVSAVI STNSTPCRTP PKELQSLSSL EEF SFQSES GGWPEEEKPL GAESFPGSVT KKAATEDTKP EPEVPGAEC SQSPPLDPGT QVEKTLHVS LGSQVSKEAE KRPKAEKVME ESQGASQPKP STPQESLGAG TEPLILHEMD EEDLAQALIW PEIQQELKII ESEEEFSSLP PAAQKTSPIP ESSPAPFFFP EAPGSLPSSS APREVVTRDA ANQSIQAAI LTDREKLEPV

CSLLESESQQ ELSPDPASLA PLEMLLFEKV SSPARIEIGG PRNLSPLTP APPPTPLEE
EPEVLLSKEG PDREDAARDS RTDVYTEQPT PKESPGIPTP CQREEAIASP NEKQARHAV
PENKGPGLPS PTKEVDIIPQ EEGGAPHSQAQ EPSCDCEDDT VTDPAQHGLE MVEPWEEPQW
VTSPLHSPTL KEVQESQTQG SQGHRLEERRL CHRPSLRQSH SLDSKTTGNS HWTLEAPFSS
SCANLETERN YEPLQPPAAR TKIAGLEEKA LKAFREFSGL KGLEVLPSQK GPSGIQPKPV
ETNFMGLAEG KEQEPQLELS NRQMKHSDVP GPDSSKESP RAQDSTLPGE HPLQLQLKNT
ECGSPKGGKHR PSSLNLD SAT PIADLFRLN GAPFSSPGIE LSELGDTKVT WMSSSHCKAA
PWNSQDTQDL DIVAHTLTGR RNSAPVSVSA VRTSFMVKMC QAKAVPVIPP KIQYTQIPQP
LPSQSTGEGG AQPLERSQEE PGSTPEIPQK STKDDSPSSL GSPEEEQPKQ ETGASASRRQ
ASITSCMYEG SSCSPEPSAS TLASTQDAVV QCRKRTSETE PSGDNLLSSK LERASGGPKA
FHRSRPGRPQ SLILFPIMDH LPSSPTVIDS KVLLSPIRSP TQTVSPGLLC GELAENTWIT
PEGVTLRNKM TIPKNGQRLE TSTSCFYQPQ RRSVILDGRS GRQIE **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:	CdGAP (ARHGAP31)
Alternative Name:	Arhgap31 (ARHGAP31 Products)
Background:	Rho GTPase-activating protein 31 (Cdc42 GTPase-activating protein),FUNCTION: Functions as a GTPase-activating protein (GAP) for RAC1 and CDC42. Required for cell spreading, polarized lamellipodia formation and cell migration. {ECO:0000269 PubMed:16860736, ECO:0000269 PubMed:9786927}.
Molecular Weight:	155.3 kDa
UniProt:	A6X8Z5

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