Datasheet for ABIN7564023

KIAA1432 (KIAA1432) (AA 1-1422) protein (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	KIAA1432
Protein Characteristics:	AA 1-1422
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant Ric1 Protein expressed in mammalian cells.
Sequence:	MYFLSGWPKR LLCAPRSPAE APLHVQSDPR RAFFAVLAPA RLSIWYSRPS VLIVTYKEPA KSSTQFGSYK QAEWRPDSTM IAVSTANGYI LFFHITSSRG DKYLYEPVYP KGSPQMKGIP HFKEEHCAPA LNLEMKKILD LQAPIMSLQS VLEDLLVATS DGLLHLIHWE GMTNGRKAIN LSTVPFSVDL QSSRVGSFLG FADVHIKDME YCATLDGFAV VFNDGKVGFI TPVSSRFTAE QLHGVWPQDV IDGTCVAVNN KYRLMAFGCA SGCVQVYTID NTTGAMLLSH KLELTAKQYP DIWNKTGAVK LIRWSPDNSA VIVTWEYGGL SLWSVFGAQL ICTLGGDFAY RSDGTKKDPL KINSMSWGAE GYHLWVISGL GSQHTQIETD LRSTVKEPSI LLFQFIKSVL TVNPCMSNQE QVLLQGEDRL YLNCGEASQA QNPKYSSARA ERMPRHEKSP FADGGLEAPG LSTLLGHRHW HVVQISSTYL ESNWPIRFSA IDKLGQNIAV AGKFGFAHYS LLTKKWKLFG NITQEQNMIV TGGLAWWDDF MVLACYNLSD CQEELRIYLR TSNLDNAFAH VTKAPMETLL LSVFRDMVVV FRADCSICLY SIERKSDGSN TTASVQVLQE VSMSRYIPHP FLVVSVTLTS VSTENGISLK MPQQARDAES IMLNLAGQLI MMQRDRSGPQ IREKDSHPNQ RKLLPFCPPV VLAQSVENVW

	TTCRANKQKR HLLEALWLSC GGAGMKVWLP LFPRDHRKPH SFLSQRIMLP FHINIYPLAV LFEDALVLGA VNDTLLYDSL YTRSSAREQL EVLFPFCVVE RTSQIYLHHI LRQLLVRNLG EQALLLAQSC AALPYFPHVL ELMLHEVLEE EATSREPIPD PLLPTVAKFI TEFPLFLQTV VHCARKTEYA LWNYLFAAVG NPKDLFEECL MAQDLDTAAS YLIILQNMEV PAVSRQHATL LFNTALEQGK WDLCRHMIRF LKAIGSGESE TPPSTPTSQE PSSSGGFEFF RNRSISLSQS AENVPPGKFG LQKTLSMPTG PSGKRWSKDS ECAENMYIDM MLWRHARRLL EEVRLKDLGC FAAQLGFELI SWLCKERTRA ARVDNFVVAL KRLHKDFLWP LPIIPASSIS SPFKNGKCRA VGEQMLKSQS ADPFITPEMD AGISNIQRSQ SWLSNIGPTH RDTDRASSPG PQMQDAFLSP LSNKGDECSI GSATDLTESS SVVDGDWTMV DENFSTLSLT QSELEHISME LASKGPHKSQ VQLRYLLHIF MEAGCLDWCV VIGLILRESS VVSQLLGIAQ SSEMDGEMLQ NIKSGLQAVD RWASTDCPGY KPFLNIIKPQ LQKLSEITEE LVQPDTFQPV TVGKTPEQTS PRAEENRGSC SHGSISQSEP GSNNVVSRKE EDTTQADEEE PLQDGAYDCS VS **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:	KIAA1432
Alternative Name:	Ric1 (KIAA1432 Products)
Background:	Guanine nucleotide exchange factor subunit RIC1 (Protein RIC1 homolog) (RAB6A-GEF complex partner protein 1),FUNCTION: The RIC1-RGP1 complex acts as a guanine nucleotide exchange factor (GEF), which activates RAB6A by exchanging bound GDP for free GTP, and may thereby be required for efficient fusion of endosome-derived vesicles with the Golgi compartment. The RIC1-RGP1 complex participates in the recycling of mannose-6-phosphate receptors. Required for phosphorylation and localization of GJA1. Is a regulator of procollagen transport and secretion, and is required for correct cartilage morphogenesis and development of the craniofacial skeleton. {ECO:0000250|UniProtKB:Q4ADV7}.
Molecular Weight:	158.8 kDa
UniProt:	Q69ZJ7

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