Datasheet for ABIN7555120

RAB3GAP2 Protein (AA 1-1393) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	RAB3GAP2
Protein Characteristics:	AA 1-1393
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAB3GAP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RAB3GAP2 Protein expressed in mammalian cells.
Sequence:	MACSIVQFCY FQDLQAARDF LFPHLREEIL SGALRRDPSK STDWEDDGWG AWEENEPQEP EEEGNTCKTQ KTSWLQDCVL SLSPTNDLMV IAREQKAVFL VPKWKYSDKG KEEMQFAVGW SGSLNVEEGE CVTSALCIPL ASQKRSSTGR PDWTCIVVGF TSGYVRFYTE NGVLLLAQLL NEDPVLQLKC RTYEIPRHPG VTEQNEELSI LYPAAIVTID GFSLFQSLRA CRNQVAKAAA SGNENIQPPP LAYKKWGLQD IDTIIDHASV GIMTLSPFDQ MKTASNIGGF NAAIKNSPPA MSQYITVGSN PFTGFFYALE GSTQPLLSHV ALAVASKLTS ALFNAASGWL GWKSKHEEEA VQKQKPKVEP ATPLAVRFGL PDSRRHGESI CLSPCNTLAA VTDDFGRVIL LDVARGIAIR MWKGYRDAQI GWIQTVEDLH ERVPEKADFS PFGNSQGPSR VAQFLVIYAP RRGILEVWST QQGPRVGAFN VGKHCRLLYP GYKIMGLNNV TSQSWQPQTY QICLVDPVSG SVKTVNVPFH LALSDKKSER AKDMHLVKKL AALLKTKSPN LDLVETEIKE LILDIKYPAT KKQALESILA SERLPFSCLR NITQTLMDTL KSQELESVDE GLLQFCANKL KLLQLYESVS QLNSLDFHLD TPFSDNDLAL LLRLDEKELL KLQALLEKYK QENTRTNVRF SDDKDGVLPV KTFLEYLEYE

	KDVLNIKKIS EEEYVALGSF FFWKCLHGES STEDMCHTLE SAGLSPQLLL SLLLSVWLSK EKDILDKPQS ICCLHTMLSL LSKMKVAIDE TWDSQSVSPW WQQMRTACIQ SENNGAALLS AHVGHSVAAQ ISNNMTEKKF SQTVLGADSE ALTDSWEALS LDTEYWKLLL KQLEDCLILQ TLLHSKGNTQ TSKVSSLQAE PLPRLSVKKL LEGGKGGIAD SVAKWIFKQD FSPEVLKLAN EERDAENPDE PKEGVNRSFL EVSEMEMDLG AIPDLLHLAY EQFPCSLELD VLHAHCCWEY VVQWNKDPEE ARFFVRSIEH LKQIFNAHVQ NGIALMMWNT FLVKRFSAAT YLMDKVGKSP KDRLCRRDVG MSDTAMTSFL GSCLDLLQIL MEADVSRDEI QVPVLDTEDA WLSVEGPISI VELALEQKHI HYPLVEHHSI LCSILYAVMR FSLKTVKPLS LFDSKGKNAF FKDLTSIQLL PSGEMDPNFI SVRQQFLLKV VSAAVQAQHS ATKVKDPTEE ATPTPFGKDQ DWPALAVDLA HHLQVSEDVV RRHYVGELYN YGVDHLGEEA ILQVHDKEVL ASQLLVLTGQ RLAHALLHTQ TKEGMELLAR LPPTLCTWLK AMDPQDLQNT EVPIATTAKL VNKVIELLPE KHGQYGLALH LIEAVEAISL PSL **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:	RAB3GAP2
Alternative Name:	RAB3GAP2 (RAB3GAP2 Products)
Background:	Rab3 GTPase-activating protein non-catalytic subunit (RGAP-iso) (Rab3 GTPase-activating protein 150 kDa subunit) (Rab3-GAP p150) (Rab3-GAP150) (Rab3-GAP regulatory subunit),FUNCTION: Regulatory subunit of the Rab3 GTPase-activating (Rab3GAP) complex composed of RAB3GAP1 and RAB3GAP2, which has GTPase-activating protein (GAP) activity towards various Rab3 subfamily members (RAB3A, RAB3B, RAB3C and RAB3D), RAB5A and RAB43, and guanine nucleotide exchange factor (GEF) activity towards RAB18 (PubMed:9733780, PubMed:24891604). As part of the Rab3GAP complex, acts as a GAP for Rab3 proteins by converting active RAB3-GTP to the inactive form RAB3-GDP (By similarity). Rab3 proteins are involved in regulated exocytosis of neurotransmitters and hormones (By similarity). The Rab3GAP complex, acts as a GEF for RAB18 by promoting the conversion of inactive RAB18-GDP to the active form RAB18-GTP (PubMed:24891604). Required for recruiting and activating RAB18 at the endoplasmic reticulum (ER) membrane where it maintains proper ER structure (PubMed:24891604). Required for normal eye and brain development (By similarity). May participate in neurodevelopmental processes such as proliferation, migration and differentiation before synapse formation, and non-synaptic vesicular release of neurotransmitters (By similarity). {ECO:0000250|UniProtKB:Q15042, ECO:0000269|PubMed:24891604, ECO:0000269|PubMed:9733780}.
Molecular Weight:	156.0 kDa
UniProt:	Q9H2M9

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

Handling

Storage Comment:	Store at -80°C.
Expiry Date:	12 months