

Datasheet for ABIN7555163

RAB11FIP2 Protein (AA 1-512) (His tag)



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Overview

Quantity:	1 mg
Target:	RAB11FIP2
Protein Characteristics:	AA 1-512
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAB11FIP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RAB11FIP2 Protein expressed in mammalian cells.
Sequence:	MMLSEQAQKW FPTHVQVTVL QAKDLKPKGK SGTNDTYTII QLGKEYSTS VAEKTLEPVW KEEASFELPG LLIQGSPEKY ILFLIVMHRS LVGLDKFLGQ VAINLNDIFE DKQRRKTEWF RLESKQGKRI KNRGEIKVNI QFMRNNMTAS MFDLSMKDKT RSPFAKLKDK MKGRKNDGTF SDTSSAIIPS THMPDANSEF SSGEIQMKS KKKPFLGQP RLSSAHMSMSD LSGSHMSSEK LKAGTIGQTH LLGHQLDSFG TVPESGSLKS PHRRTLSFDT SKMNQPSIV DEGELCFGRQ NDPFTNVTAS LPQKFATLPR KKNPFEESS TWDSMMNLFS KPPIERKENK REKREKVS LF ERVTKGKDSR RSDKLNNNGS DSPCDLKSPN AFSENQDYF DYESTNPFTA KFRASNIMPS SSFHMSPTSN EDLRKIPDSN PFDATAGYRS LTYEEVLQEL VKHKELLRRK DTHIRELEDY IDNLLVRVME ETPSILRVPY EPSRKAGKFS NS 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.

Product Details

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:	RAB11FIP2
Alternative Name:	RAB11FIP2 (RAB11FIP2 Products)
Background:	Rab11 family-interacting protein 2 (Rab11-FIP2) (NRip11),FUNCTION: A Rab11 effector binding preferentially phosphatidylinositol 3,4,5-trisphosphate (PtdInsP3) and phosphatidic acid (PA) and acting in the regulation of the transport of vesicles from the endosomal recycling compartment (ERC) to the plasma membrane. Involved in insulin granule exocytosis. Also involved in receptor-mediated endocytosis and membrane trafficking of recycling endosomes, probably originating from clathrin-coated vesicles. Required in a complex with MYO5B and RAB11 for the transport of NPC1L1 to the plasma membrane. Also acts as a regulator of cell polarity. Plays an essential role in phagocytosis through a mechanism involving TICAM2, RAC1 and CDC42 Rho GTPases for controlling actin-dynamics. {ECO:0000269 PubMed:12364336, ECO:0000269 PubMed:15304524, ECO:0000269 PubMed:16251358, ECO:0000269 PubMed:16775013, ECO:0000269 PubMed:19542231,

Target Details

	ECO:0000269 PubMed:30883606}.
Molecular Weight:	58.3 kDa
UniProt:	Q7L804
Pathways:	Hormone Transport, Carbohydrate Homeostasis

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