

Datasheet for ABIN7563161
RAB17 Protein (AA 1-214) (His tag)



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Overview

Quantity:	1 mg
Target:	RAB17
Protein Characteristics:	AA 1-214
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAB17 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Rab17 Protein expressed in mammalian cells.
Sequence:	<p>MAQAAGLPQA STASGQPYVS KLVLLGSSSV GKTSALALRYM KQDFSNNVLPT VGCAFFTKVL</p> <p>DLGSSSLKLE IWDTAGQEKY QSVCHLYFRG ANAALLVYDI TRKDSFHKAQ QWLEDLEKEF</p> <p>QPGEVVVMLV GNKTDLGEER EVTFQEGKEF AESKSLLFME TSAKLNYQVS EIFNTVAQEL</p> <p>LQRAGDTGSS RPQEGEAVAL NQEPPIRQRQ CCAR 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.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • 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

Product Details

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

Grade: custom-made

Target Details

Target: RAB17

Alternative Name: Rab17 ([RAB17 Products](#))

Background: Ras-related protein Rab-17,FUNCTION: The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab is involved in transcytosis, the directed movement of endocytosed material through the cell and its exocytosis from the plasma membrane at the opposite side. Mainly observed in epithelial cells, transcytosis mediates for instance, the transcellular transport of immunoglobulins from the basolateral surface to the apical surface. Most probably controls membrane trafficking through apical recycling endosomes in a post-endocytic step of transcytosis. Required for melanosome transport and release from melanocytes, it also regulates dendrite and dendritic spine development. May also play a role in cell migration. {ECO:0000269|PubMed:21291502, ECO:0000269|PubMed:22291024, ECO:0000269|PubMed:9490718, ECO:0000269|PubMed:9624171}.

Molecular Weight: 23.6 kDa

UniProt: [P35292](#)

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.
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Restrictions:	For Research Use only
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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