

Datasheet for ABIN7559607
RAB38 Protein (AA 1-211) (His tag)



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Overview

Quantity:	1 mg
Target:	RAB38
Protein Characteristics:	AA 1-211
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAB38 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Rab38 Protein expressed in mammalien cells.
Sequence:	<p>MQTPHKEHLY KLLVIGDLGV GKTSIIKRYV HQNFSSHYRA TIGVDFALKV LHWDPETVVR LQLWDIAGQE RFGNMTRVYY REAMGAFIVF DVTRPATFEA VAKWKNDLDS KLTLPNGKPV SVVLLANKCD QGKDVLMNNG LKMDQFCKEH GFVGFWETSA KENINIDEAS RCLVKHILAN ECDLLESIEP DIVKPHLTSP KVVSCSGCAK S 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 mammalien 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: RAB38

Alternative Name: Rab38 ([RAB38 Products](#))

Background: Ras-related protein Rab-38,FUNCTION: Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and Mycobacterium (By similarity). May be involved in melanosomal transport and docking. Involved in the proper sorting of TYRP1. Involved in peripheral melanosomal distribution of TYRP1 in melanocytes, the function, which probably is implicating vesicle-trafficking, includes cooperation with ANKRD27 and VAMP7 (PubMed:21187289). Plays an important role in the control of melanin production and melanosome biogenesis (By similarity). In concert with RAB32, regulates the proper trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes (PubMed:26620560). {ECO:0000250|UniProtKB:P57729, ECO:0000269|PubMed:21187289, ECO:0000269|PubMed:26620560}.

Molecular Weight: 23.8 kDa

UniProt: [Q8QZZ8](#)

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

Application Details

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