

Datasheet for ABIN7563158
RAB12 Protein (AA 1-243) (His tag)



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Overview

Quantity:	1 mg
Target:	RAB12
Protein Characteristics:	AA 1-243
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAB12 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rab12 Protein expressed in mammalian cells.
Sequence:	MDPSAALHRR PAGGSLGAVS PALSGGQARR RKQPPRPADF KLQVIIIIGSR GVGKTSLMER FTDDTFCEAC KSTVGVDFKI KTVELRGKKI RLQIWDTAGQ ERFNSITSAY YRSAKGILV YDITKKETFD DLPKWMKMID KYASEDAELL LVGNKLD CET DREISRQQGE KFAQQITGMR FCEASAKDNF NVDEIFLKL V DDILKKMPLD VLRNELS NSI LSLQPEPEIP PELPPPRPHV RCC 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	RAB12
Alternative Name:	Rab12 (RAB12 Products)
Background:	Ras-related protein Rab-12 (Rab-13),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 (By similarity). That Rab may play a role in protein transport from recycling endosomes to lysosomes regulating, for instance, the degradation of the transferrin receptor. Involved in autophagy. {ECO:0000250, ECO:0000269 PubMed:21718402, ECO:0000269 PubMed:23357852}.
Molecular Weight:	27.3 kDa
UniProt:	P35283

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.
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Application Details

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