

Datasheet for ABIN7551156  
**RAB43 Protein (AA 1-212) (His tag)**



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## Overview

Quantity:	1 mg
Target:	RAB43
Protein Characteristics:	AA 1-212
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAB43 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant RAB43 Protein expressed in mammalian cells.
Sequence:	MAGPGPGPGD PDEQYDFLFK LVLVGDA SVG KTCVVQRFKT GAFSERQGST IGVDFTMKTL EIQGKRVKLQ IWDTAGQERF RTITQSYIRS ANGAILAYDI TKRSSFLSVP HWIEDVRKYA GSNIVQLLIG NKSDLSELRE VSLAEQSLA EHYDILCAIE TSAKDSSNVE EAFLRVATEL IMRHGGPLFS EKSPDHIQLN SKDIGEGWGC GC <b>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.</b>
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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	RAB43
Alternative Name:	RAB43 ( <a href="#">RAB43 Products</a> )
Background:	Ras-related protein Rab-43 (Ras-related protein Rab-41),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. The low intrinsic GTPase activity of RAB43 is activated by USP6NL. Involved in retrograde transport from the endocytic pathway to the Golgi apparatus. Involved in the transport of Shiga toxin from early and recycling endosomes to the trans-Golgi network. Required for the structural integrity of the Golgi complex. Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis. {ECO:0000269 PubMed:17562788, ECO:0000269 PubMed:17684057, ECO:0000269 PubMed:18664496, ECO:0000269 PubMed:21255211}.
Molecular Weight:	23.3 kDa
UniProt:	<a href="#">Q86YS6</a>

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## Application Details

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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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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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