

Datasheet for ABIN7551228  
**RAB7L1 Protein (AA 1-203) (His tag)**



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## Overview

Quantity:	1 mg
Target:	RAB7L1
Protein Characteristics:	AA 1-203
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAB7L1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant RAB29 Protein expressed in mammalian cells.
Sequence:	MGSRDHLFKV LVVGDAAVGK TSLVQRYSD SFSKHYKSTV GVDFALKVLQ WSDYEIVRLQ LWDIAGQERF TSMTRLYYRD ASACVIMFDV TNATTFNSQ RWKQDLDSKL TLPNGEPVPC LLLANKCDLS PWAVSRDQID RFSKENGFTG WTETSVKENK NINEAMRVLI EKMMRNSTED IMSLSTQGDY INLQTKSSSW SCC <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><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and</li></ul>

## Product Details

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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:	RAB7L1
Alternative Name:	RAB29 ( <a href="#">RAB7L1 Products</a> )
Background:	<p>Ras-related protein Rab-7L1 (Rab-7-like protein 1) (Ras-related protein Rab-29),FUNCTION: The small GTPases Rab are key regulators in vesicle trafficking (PubMed:24788816). Essential for maintaining the integrity of the endosome-trans-Golgi network structure (By similarity). Together with LRRK2, plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner (PubMed:24788816). Recruits LRRK2 to the Golgi complex and stimulates LRRK2 kinase activity (PubMed:29212815). Regulates neuronal process morphology in the intact central nervous system (CNS) (By similarity). May play a role in the formation of typhoid toxin transport intermediates during Salmonella enterica serovar Typhi (S.Typhi) epithelial cell infection (PubMed:22042847). {ECO:0000250 UniProtKB:Q63481, ECO:0000269 PubMed:22042847, ECO:0000269 PubMed:24788816, ECO:0000269 PubMed:29212815}.</p>
Molecular Weight:	23.2 kDa
UniProt:	<a href="#">O14966</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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