

Datasheet for ABIN7559899

RAB7B Protein (AA 1-199) (His tag)



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Overview

Quantity:	1 mg
Target:	RAB7B
Protein Characteristics:	AA 1-199
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAB7B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Rab7b Protein expressed in mammalien cells.
Sequence:	<p>MNPRKKVDLK LIIVGALGVG KTSLLHQYVH KTFEEYQTT LGASILSKII ILDDTTLKLQ</p> <p>IWDTGGQERF RSMVSTFYKG SDGCILAFDV DPESFEALD IWRDDVLAKI IPMEQSYPMV</p> <p>VLGNKIDLED RKVSQEVVHG WCKEKDMPYF EVSAKNDINV VQAFEVLASR ALLRYQGTAE</p> <p>NHLIDSIKLS PGQPKSRCC 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 transmembrane proteins.

Product Details

- 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:	RAB7B
Alternative Name:	Rab7b (RAB7B Products)
Background:	Ras-related protein Rab-7b,FUNCTION: Controls vesicular trafficking from endosomes to the trans-Golgi network (TGN). Acts as a negative regulator of TLR9 signaling and can suppress TLR9-triggered TNFA, IL6, and IFNB production in macrophages by promoting TLR9 lysosomal degradation. Also negatively regulates TLR4 signaling in macrophages by promoting lysosomal degradation of TLR4. Promotes megakaryocytic differentiation by increasing NF-kappa-B-dependent IL6 production and subsequently enhancing the association of STAT3 with GATA1. Not involved in the regulation of the EGF- and EGFR degradation pathway. {ECO:0000269 PubMed:17395780, ECO:0000269 PubMed:19587007}.
Molecular Weight:	22.5 kDa
UniProt:	Q8VEA8

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.
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