

Datasheet for ABIN7551157 **Rab4 Protein (AA 1-218) (His tag)**



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Overview

Quantity:	1 mg
Target:	Rab4 (RAB4A)
Protein Characteristics:	AA 1-218
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Rab4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RAB4A Protein expressed in mammalian cells.
Sequence:	<p>MSQTAMSETY DFLFKFLVIG NAGTGKSCLL HQFIEKKFKD DSNHTIGVEF GSKIINVGGK YVKLQIWDTA GQERFRSVTR SYYRGAAGAL LVDITSRET YNALTNWLTD ARMLASQNIV IILCGNKKDL DADREVTFL EASRFAQENEL MFLETSALTG ENVVEAFVQC ARKILNKIES GELDPERMGS GIQYGDAALR QLRSPRRAQA PNAQECGC</p> <p>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>
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:	<p>Key Benefits:</p> <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:	Rab4 (RAB4A)
Alternative Name:	RAB4A (RAB4A Products)
Background:	Ras-related protein Rab-4A (EC 3.6.5.2),FUNCTION: Small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state (PubMed:15907487, PubMed:16034420). Involved in protein transport (PubMed:29425100). Plays a role in vesicular traffic. Mediates VEGFR2 endosomal trafficking to enhance VEGFR2 signaling (PubMed:29425100). Acts as a regulator of platelet alpha-granule release during activation and aggregation of platelets (By similarity). {ECO:0000250 UniProtKB:P56371, ECO:0000269 PubMed:15907487, ECO:0000269 PubMed:16034420, ECO:0000269 PubMed:29425100}.
Molecular Weight:	24.4 kDa
UniProt:	P20338

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.
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