

Datasheet for ABIN7561663
RGS1 Protein (AA 1-209) (His tag)



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Overview

Quantity:	1 mg
Target:	RGS1
Protein Characteristics:	AA 1-209
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RGS1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rgs1 Protein expressed in mammalian cells.
Sequence:	<p> MRAAAISMPR LNKMPGMFFS ASPKDSKEHS HSLDDKKQK KRPKTFGMDV KTYLRSMIPH LESGMKSACS KDILSAEEVM QWSQSLEKLL ANQTGQNVFG RFLKSEFSEE NIEFWLACED YKKTETDLLH NKAENIYKAF VHSDAVKQIN IDFHTRESTA KKIKTPTPTS FDEAQKVIYS LMEKDSYPRF LKSNLYNLL NDQANTLK 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:	RGS1
Alternative Name:	Rgs1 (RGS1 Products)
Background:	Regulator of G-protein signaling 1 (RGS1),FUNCTION: Regulates G protein-coupled receptor signaling cascades, including signaling downstream of the N-formylpeptide chemoattractant receptors and leukotriene receptors. Inhibits B cell chemotaxis toward CXCL12 (PubMed:10779778). Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form (By similarity). {ECO:0000250 UniProtKB:Q08116, ECO:0000269 PubMed:10779778}.
Molecular Weight:	24.1 kDa
UniProt:	Q9JL25
Pathways:	MAPK Signaling , Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling , CXCR4-mediated Signaling Events

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