

Datasheet for ABIN7561819
RGS20 Protein (AA 1-239) (His tag)



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Overview

Quantity:	1 mg
Target:	RGS20
Protein Characteristics:	AA 1-239
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RGS20 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rgs20 Protein expressed in mammalian cells.
Sequence:	MRTANGGPRA RASPSASPAD PGLPEGSERT EMRMRQMC GG SETQGPAPSQ QGGRGSNACC FCWCCCCTCS CLTVRNQEDQ RPQRASHEIR TDIPACEESP TPTLEEVCAW AQSFDNLMVT PAGRNAFREF LRTEFSEENM LFWMACEELK REANKSTIEE KARIYEDYI SILSPKEVSL DSRVREVINR NMVDPSQHIF DDAQLQIYTL MHRDSYPRFM NSTVYKDLLT SLAEKTVEA 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.
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">• 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:	RGS20
Alternative Name:	Rgs20 (RGS20 Products)
Background:	Regulator of G-protein signaling 20 (RGS20) (Regulator of G-protein signaling Z1),FUNCTION: Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds selectively to G(z)-alpha and G(alpha)-i2 subunits, accelerates their GTPase activity and regulates their signaling activities. The G(z)-alpha activity is inhibited by the phosphorylation and palmitoylation of the G-protein. Negatively regulates mu-opioid receptor-mediated activation of the G-proteins. {ECO:0000269 PubMed:14997173, ECO:0000269 PubMed:15827571, ECO:0000269 PubMed:16900103}.
Molecular Weight:	27.0 kDa
UniProt:	Q9QZB1
Pathways:	Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling

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
