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Datasheet for ABIN7560535
RGS10 Protein (AA 1-181) (His tag)

Overview

Quantity:	1 mg
Target:	RGS10
Protein Characteristics:	AA 1-181
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RGS10 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rgs10 Protein expressed in mammalian cells.
Sequence:	MFTRAVSRLS RKRPPSDIHD GDGSSSSGHQ SLKSTAKWAS SLENLLEDPE GVQRFREFLK KEFSEENVLF WLACEDFKKT EDRKQMQEKA KEIYMTFLSN KASSQVNVEG QSRLTEKILE EPHPLMFQKL QDQIFNLMKY DSYSRFLKSD LFLKPKRTEE EEEEEPPDAQT AAKRASRIYN T 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.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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)
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Grade:	custom-made
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Target Details

Target:	RGS10
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Alternative Name:	Rgs10 (RGS10 Products)
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Background:	Regulator of G-protein signaling 10 (RGS10),FUNCTION: Regulates G protein-coupled receptor signaling cascades, including signaling downstream of the muscarinic acetylcholine receptor CHRM2. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. Modulates the activity of potassium channels that are activated in response to CHRM2 signaling. Activity on GNAZ is inhibited by palmitoylation of the G-protein. {ECO:0000250 UniProtKB:O43665}.
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Molecular Weight:	21.2 kDa
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UniProt:	Q9CQE5
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Pathways:	Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling
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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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Restrictions:	For Research Use only
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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