

Datasheet for ABIN7551383  
**RGS Protein (AA 1-674) (His tag)**



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## Overview

Quantity:	1 mg
Target:	RGS
Protein Characteristics:	AA 1-674
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RGS protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant RGS9 Protein expressed in mammalian cells.
Sequence:	MTIRHQGQQY RPRMAFLQKI EALVKDMQNP ETGVRMQNQR VLVTSVPHAM TGSDVLQWIV QRLWISSLEA QNLGNFIVRY GYIYPLQDPK NLILKPDGSL YRFQTPYFWP TQQWPAEDTD YAIYLAKRNI KKKGILEEYE KENYNFLNQK MNYKWDFVIM QAKEYRAGK ERNKADRYAL DCQEKAYWLV HRCPPGMDNV LDYGLDRVNT PNEVKVNQKQ TVVAVKKEIM YYQQALMRST VKSSVSLGGI VKYSEQFSSN DAIMSGCLPS NPWITDDTQF WDLNAKLVEI PTKMRVERWA FNFSELIRDP KGRQSFQYFL KKEFSGENLG FWEACEDLKY GDQSKVKEKA EEIYKLFLAP GARRWINIDG KTMDITVKGL KHPHRYVLDA AQTHIYMLMK KDSYARYLKS PIYKDMLAKA IEPQETTKKS STLPFMRRLH RSSPSPVILR QLEEEAKARE AANTVDITQP GQHMAPSPHL TVYTGTCPMP SPSSPFSSSC RSPRKPFASP SRFIRRPSTT ICPSPIRVAL ESSSGLEQKG ECSGSMAPRG PSVTESSEAS LDTSWPRSRP RAPPKARMAL SFSRFLRRGC LASPVFARLS PKCPAVSHGR VQPLGDVGQQ LPRLKSKRVA NFFQIKMDVP TGS GTCLMDS EDAGTGESGD RATEKEVICP WESL <b>Sequence without tag. The proposed Purification-Tag is based on</b>

## Product Details

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**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:

- 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 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

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Target: RGS

Alternative Name: RGS9 ([RGS Products](#))

Background: Regulator of G-protein signaling 9 (RGS9),FUNCTION: Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to GNAT1. Involved in phototransduction, key element in the recovery phase of visual transduction (By similarity). {ECO:0000250}.

Molecular Weight: 77.0 kDa

UniProt: [O75916](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Phototransduction](#)

## Application Details

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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

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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