

Datasheet for ABIN7562425  
**RGS Protein (AA 1-675) (His tag)**



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## Overview

Quantity:	1 mg
Target:	RGS
Protein Characteristics:	AA 1-675
Origin:	Mouse
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:	<p>MTIRHQGQQY RPRMAFLQKI EALVKDMQNP ETGVRMHNQR VLVTSVPHAM TGGDVLQWIT</p> <p>QRLWISNLEA QNLGNFIVKY GYIYPLQDPK NLILKPDSSL YRFQTPYFWP TQQWPAEDTD</p> <p>YAIYLAKRNI KKKGILEEYE KENYDFLNKK INYKWDFVIM QAKEQYRTGK ERNKADRYAL</p> <p>DCQEKAYWL V HRSPPGMNNV LDYGLDRV TN PNEVKKQTVT AVRKEIMYYQ QALMRSTVKS</p> <p>SVSLGGIVKY SEQFSSND AI MSGCLPSNPW ITDDTQFWDL NAKLVEIPTK MRVERWAFNF</p> <p>SELIRDPKGR QSFQYFLKKE FSGENLGFWE ACEDLKYGDQ SKVKEKAE EI YKLFLAPGAR</p> <p>RWINIDGKTM DITVKGLRHP HRYVLDA AQT HIYMLMKKDS YARYLKSPIY KEMLAKAIEP</p> <p>QETTKRSSTL PFMRRHLRSS PSPVILRQLE EEEKARE AAN TVDITQPGQH LAPSPHLAVY</p> <p>TGTCVPPSPS SPFSPSCRSP RKPFA SP SRF IRRPSIAICP SPSRVALEGS SGLEPKGEAS</p> <p>WSGANSGPSV TENREPSADH SRPQPRAPPK ARAALSLGRF LRRGCLASPV FARLSPKCPS</p> <p>VSHGKVQPLG DMGQQLPRLK PKKVANFFQI KMEMPTDSGT CLMDSDDPRA GESGDQTTEK</p> <p>EVICPWESLA EGKAG <b>Sequence without tag. The proposed Purification-Tag is based on</b></p>

**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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	RGS
Alternative Name:	Rgs9 ( <a href="#">RGS Products</a> )
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.
Molecular Weight:	77.0 kDa
UniProt:	<a href="#">O54828</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">Phototransduction</a>

## 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