

Datasheet for ABIN7556967

## Regulator of G Protein Signaling 9 Binding Protein (RGS9BP) (AA 1-237) protein (His tag)



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### Overview

Quantity:	1 mg
Target:	Regulator of G Protein Signaling 9 Binding Protein (RGS9BP)
Protein Characteristics:	AA 1-237
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

### Product Details

Purpose:	Custom-made recombinant Rgs9bp Protein expressed in mammalian cells.
Sequence:	<p>MAREECKALL DALNKTAC Y HHLVLT VGG S ADTQDLREEL QKTRQKAREL AVATGARLTV  ALDRSLATE ERAEFERLWV AFSGCLDLLE ADMQRALALG ATFPLHAPRR PLVRTGVTGG  SSAVAARALS ARSLRHEAES DFDVADLPQL EREVLQVGEM IDDMEMKVVN PRWTVQARQA  AGAEELSGAS AGASSAGGIS VEERAGPCDP SKALAATVFS AVLLVAVALA LCVAKLS</p> <p><b>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.</b></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"> <li>Made to order protein - from design to production - by highly experienced protein experts.</li> </ul>

## 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:	Regulator of G Protein Signaling 9 Binding Protein (RGS9BP)
Alternative Name:	Rgs9bp ( <a href="#">RGS9BP Products</a> )
Background:	Regulator of G-protein signaling 9-binding protein (RGS9-anchoring protein),FUNCTION: Regulator of G protein-coupled receptor (GPCR) signaling in phototransduction. Participates in the recovery phase of visual transduction via its interaction with RGS9-1 isoform. Acts as a membrane-anchor that mediates the targeting of RGS9-1 to the photoreceptor outer segment, where phototransduction takes place. Enhances the ability of RGS9-1 to stimulate G protein GTPase activity, allowing the visual signal to be terminated on the physiologically time scale. It also controls the proteolytic stability of RGS9-1, probably by protecting it from degradation. {ECO:0000269 PubMed:12560335, ECO:0000269 PubMed:14625292, ECO:0000269 PubMed:16908407, ECO:0000269 PubMed:16939221}.
Molecular Weight:	25.2 kDa
UniProt:	<a href="#">Q148R9</a>
Pathways:	<a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</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