

Product datasheet

Recombinant Human RGS19 protein ab101949

1 Image

Overview

<b>Product name</b>	Recombinant Human RGS19 protein
<b>Protein length</b>	Full length protein

Description

<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">P49795</a>
<b>Species</b>	Human

<b>Sequence</b>	<p><b>MGSSHHHHHSSGLVPRGSHMPTPHEAEKQITGPEE</b>  <b>ADRPPSMSSHTAS</b>  <b>PAAPSRNPCCLCWCCCCSCSWNQERRRAWQASRE</b>  <b>SKLQPLPSCEVCATPS</b>  <b>PEEVQSWAQSFDKLMHSPAGRSVFRAFLRTEYSEEN</b>  <b>MLFWLACEELKAEA</b>  <b>NQHVVDEKARLIYEDYVSILSPKEVSLDSRVREGINKK</b>  <b>MQEPSAHTFDDA</b>  <b>QLQIYTLMHRDSYPRFLSSPTYRALLLQGPSQSSEA</b></p>
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<b>Molecular weight</b>	27 kDa including tags
<b>Amino acids</b>	1 to 217
<b>Tags</b>	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab101949** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
	Mass Spectrometry

<b>Mass spectrometry</b>	MALDI-TOF
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<b>Purity</b>	> 90 % SDS-PAGE. ab101949 is purified using conventional chromatography techniques.
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**Form** Liquid

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.  
Preservative: None  
Constituents: 10% Glycerol, PBS, pH 7.4

## General Info

**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 G-alpha subfamily 1 members, with the order G(i)a3 > G(i)a1 > G(o)a >> G(z)a/G(i)a2. Activity on G(z)-alpha is inhibited by phosphorylation and palmitoylation of the G-protein.

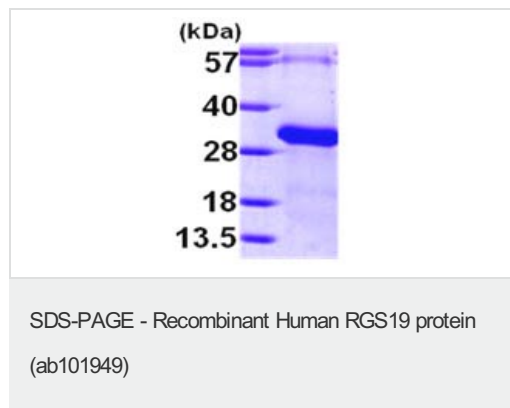
**Tissue specificity** Highest expression in lung. Placenta, liver and heart also express high levels of GAIP.

**Sequence similarities** Contains 1 RGS domain.

**Post-translational modifications** Fatty acylated. Heavily palmitoylated in the cysteine string motif.  
Phosphorylated, mainly on serine residues.

**Cellular localization** Membrane.

## Images



15% SDS-PAGE analysis of 3µg ab101949.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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