

Product datasheet

Recombinant Human RGS19 protein ab75333

1 Image

Overview

---

**Product name** Recombinant Human RGS19 protein  
**Protein length** Full length protein

Description

---

**Nature** Recombinant  
**Source** Escherichia coli

Amino Acid Sequence

**Species** Human

Specifications

---

Our [Abpromise guarantee](#) covers the use of **ab75333** in the following tested applications.

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

**Applications** Western blot  
 ELISA  
 SDS-PAGE

**Form** Liquid

Preparation and Storage

---

**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  
 Preservative: None  
 Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5

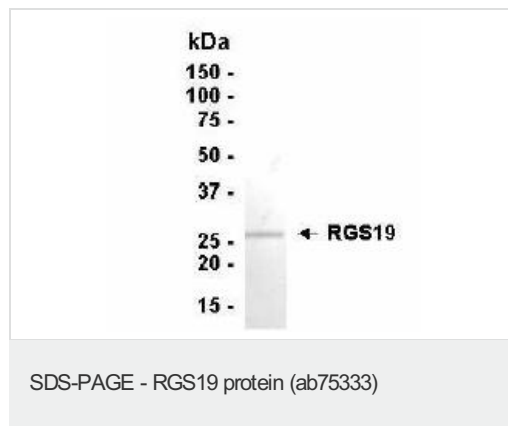
General Info

---

**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.

<b>Tissue specificity</b>	Highest expression in lung. Placenta, liver and heart also express high levels of GAIP.
<b>Sequence similarities</b>	Contains 1 RGS domain.
<b>Post-translational modifications</b>	Fatty acylated. Heavily palmitoylated in the cysteine string motif. Phosphorylated, mainly on serine residues.
<b>Cellular localization</b>	Membrane.

## Images



SDS Page analysis of ab75333

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

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors