

## Product datasheet

# Recombinant Human RGS1 protein ab126697

1 Image

### Overview

<b>Product name</b>	Recombinant Human RGS1 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="#">Q08116</a>
<b>Species</b>	Human

<b>Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGS HMRAAAI            STPKLDKMPG MFFSANPKEL KGTT HSLDD            KMQR RPKTF GMDMKAYLRS MIPHLESGMK            SSKSKDVLSA AEVMQWSQSL EKLLANQTGQ            NVFGSFLKSE FSEENIEFWL ACEDYKKTES            DLLPCKAEEI YKAFVHSDAA KQINIDFRTR            ESTAKKIKAP TPTCFDEAQK VIYTLMEKDS            YPRFLKSDIY LLLLNDLQAN SLK</p>
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<b>Molecular weight</b>	26 kDa including tags
<b>Amino acids</b>	1 to 209
<b>Tags</b>	His tag N-Terminus

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab126697** 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
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<b>Mass spectrometry</b>	MALDI-TOF
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<b>Purity</b>	> 90 % SDS-PAGE. ab126697 is purified by conventional chromatography techniques.
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**Form** Liquid

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00  
Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol, 0.88% Sodium chloride

## General Info

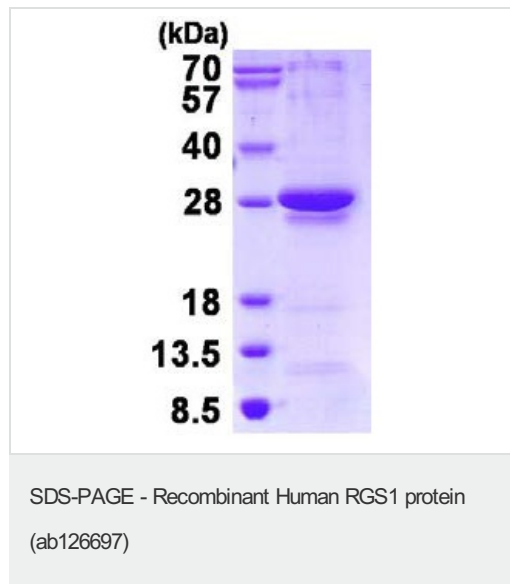
**Function** Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. This protein may be involved in the regulation of B-cell activation and proliferation.

**Tissue specificity** B-cell specific. Expression is relatively low in B-cells and chronic lymphocytic leukemia B-cells; however, in other types of malignant B-cell such as non-Hodgkin lymphoma and hairy cell leukemia, expression is constitutively high.

**Sequence similarities** Contains 1 RGS domain.

**Post-translational modifications** Could be phosphorylated. Might be functionally regulated by protein kinase(s).

## Images



15% SDS-PAGE analysis of 3 µg of ab126697 (RGS1 protein).

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

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