

Product datasheet

Recombinant Human RGS1 protein ab126697

1 Image

Description

Product name	Recombinant Human RGS1 protein
Purity	> 90 % SDS-PAGE. ab126697 is purified by conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q08116</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMRAAAI STPKLDKMPG MFFSANPKEL KGTHSLDD KMQRPRPKTF GMDMKAYLRS MPHLESGMK SSKSKDVLSA AEVMQWSQSL EKLLANQTGQ NVFGSFLKSE FSEENIEFWL ACEDYKKTES DLLPCKAEEI YKAFVHSDAA KQINIDFRTR ESTAKKIKAP TPTCFDEAQK VIYTLMEKDS YPRFLKSDIY LNLLNDLQAN SLK
Predicted molecular weight	26 kDa including tags
Amino acids	1 to 209
Tags	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.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
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 (glycerin, glycerine), 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).

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