

Recombinant Human RGS6 Protein, His&GST-tagged

Cat. No. RGS6-2016H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RGS6 Protein (Met1-Glu127) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Glu127
Description	This gene encodes a member of the RGS (regulator of G protein signaling) family of proteins, which are defined by the presence of a RGS domain that confers the GTPase-activating activity of these proteins toward certain G alpha subunits. This protein also belongs to a subfamily of RGS proteins characterized by the presence of DEP and GGL domains, the latter a G beta 5-interacting domain. The RGS proteins negatively regulate G protein signaling, and may modulate neuronal, cardiovascular, lymphocytic activities, and cancer risk. Many alternatively spliced transcript variants encoding different isoforms with long or short N-terminal domains, complete or incomplete GGL domains, and distinct C-terminal domains, have been described for this gene, however, the full-length nature of some of these variants is not known.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.1 kDa Accurate Molecular Mass: 44 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	RGS6 regulator of G-protein signaling 6 [Homo sapiens (human)]
Official Symbol	RGS6
Synonyms	RGS6; regulator of G-protein signaling 6; regulator of G protein signalling 6; S914; H_DJ1108A12.1; WUGSC:H_DJ0283M22.1; WUGSC:H_DJ1108A12.1; GTPase activating protein; regulator of G-protein signalling 6; GAP; FLJ43552; MGC142132; DKFZp313G1241;
Gene ID	9628
mRNA Refseq	NM_001204416

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Protein Refseq	NP_001191345
MIM	603894
UniProt ID	P49758

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