

# Recombinant Full Length Human RGS4 Protein, His-tagged

Cat. No. RGS4-3616H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human RGS4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-205 a.a.
<b>Description</b>	RGS4(regulator of G protein signaling 4) is a protein which regulates G protein signaling. Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. Heterotrimeric G proteins function to relay information from cell surface receptors to intracellular effectors.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 10% glycerol, 200mM NaCl
<b>Molecular Weight</b>	25.4kDa (225aa), confirmed by MALDI-TOF
<b>Purity</b>	> 90% by SDS - PAGE
<b>Concentration</b>	1mg/ml (determined by Bradford assay)
<b>Sequences of amino</b>	MGSSHHHHHH SGLVPRGSH MCKGLAGLPA SCLRSKDMK HRLGFLLQKS

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**acids**

DSCEHNSSHN KKDKVVICQR VSQEEVKKWA ESLENLISHE CGLAAFKAFI  
 KSEYSEENID FWISCEEYKK IKSPSKLSPK AKKIYNEFIS VQATKEVNLD  
 SCTREETS RN MLEPTITCFD EAQKKIFNLM EKDSYRRFLK SRFYLDLVNP  
 SSCGAEKQKG AKSSADCASL VPQCA

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [RGS4 regulator of G-protein signaling 4 \[ Homo sapiens \]](#)

**Official Symbol** [RGS4](#)

**Synonyms** RGS4; regulator of G-protein signaling 4; RGP4; SCZD9; MGC2124; MGC60244; DKFZp761F1924; schizophrenia disorder 9; regulator of G-protein signalling 4

**Gene ID** [5999](#)

**mRNA Refseq** [NM\\_001102445](#)

**Protein Refseq** [NP\\_001095915](#)

**MIM** [602516](#)

**UniProt ID** [P49798](#)

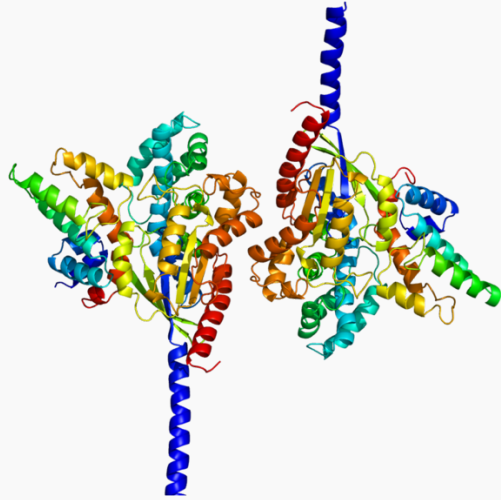
**Chromosome Location** 1q23.3

**Function** GTPase activator activity; calmodulin binding; signal transducer activity

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