

Recombinant Full Length Human RGS4 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human RGS4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-205 a.a.
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT,10% glycerol, 200mM NaCl
Molecular Weight	25.4kDa (225aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	1mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH MCKGLAGLPA SCLRSAKDMK HRLGFLLQKS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

acids

DSCEHNSSHN KKDKVVICQR VSQEEVKKWA ESLENLSHE CGLAAFKAFL
 KSEYSEENID FWISCEEYKK IKSPSKLSPK AKKIYNEFIS VQATKEVNLD
 SCTREETSRN 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](#)

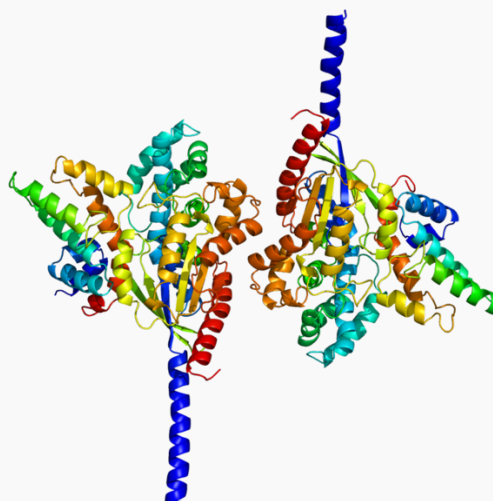
Chromosome Location 1q23.3

Function GTPase activator activity; calmodulin binding; signal transducer activity

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