Recombinant Full Length Human Regulator Of G-protein Signaling 4 / RGS4 Protein, His-tagged

Cat. No. RGS4-1563H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RGS4 was expressed in*E.Coli*using an N-terminal His tag. MW= 23.6kDa.
Species	Human
Source	E.coli
Description	Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G α subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi α, Go α and Gq α subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 4 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. Regulator of G protein signaling 4 protein is 37% identical to RGS1 and 97% identical to rat Rgs4. This protein negatively regulate signaling upstream or at the level of the heterotrimeric G protein and is localized in the cytoplasm.
Sequence	1-205.
Purity	~95%.
Specific Activity	n/aH.
Applications	E, WB, MS.

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Buffer	10 mM Tris, pH 8.0, 0.002% NaN3, 3mM NaCl, 2.5mM.
Storage	Store at -70˚C. As with any protein, exposing RGS4 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
SDS-PAGE	SDS PAGE Analysis of RGS4 Recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.

GENE INFORMATION

Gene Name	RGS4 regulator of G-protein signaling 4 [Homo sapiens]
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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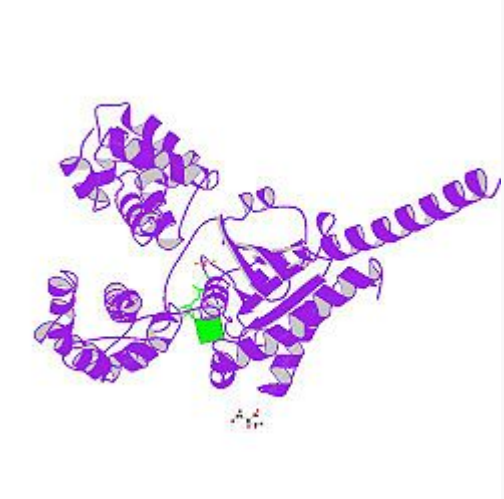
PDB rendering based on 1agr.	

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