

Recombinant Human RGS4

Cat. No. RGS4-29969TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human RGS4 protein, 24 kDa.
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 alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha 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. Alternatively spliced transcript variants have been found for this gene.
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence	Contains 1 RGS domain.

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Similarities

Full Length Full L.

GENE INFORMATION

Gene Name RGS4 regulator of G-protein signaling 4 [Homo sapiens]

Official Symbol [RGS4](#)

Synonyms RGS4; regulator of G-protein signaling 4; regulator of G protein signalling 4 , schizophrenia disorder 9 , SCZD9;

Gene ID [5999](#)

mRNA Refseq [NM_001102445](#)

Protein Refseq [NP_001095915](#)

MIM [602516](#)

Uniprot ID [P49798](#)

Chromosome Location 1q23.3

Pathway Calcium Regulation in the Cardiac Cell, organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (z) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem;

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Function

GTPase activator activity; calmodulin binding; signal transducer activity;

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