

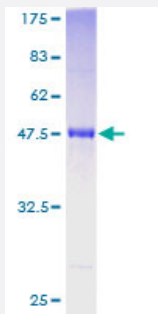
Full-Length

RGS4 (Human) Recombinant Protein (P01)

Catalog # H00005999-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RGS4 full-length ORF (AAH51869, 1 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MCKGLAGLPASCLRSAKDMKHLRGFLLQKSDSCEHNSSHNKKDKVVICQRVSQEEVKKWAESL ENLISHECGLAAFKAFKSEYSEENIDFWISCEEYKKIKSPSKLSPKAKKIYNEFISVQATKEVNLDS CTREETSRNMLEPTITCFDEAQKKIFNLMEKDSYRRFLKSRFYLDLVPSSCGAEKQKGAKSSAD CASLVPQCA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	48.29
Interspecies Antigen Sequence	Mouse (96); Rat (97)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RGS4

Entrez GeneID [5999](#)

GeneBank Accession# [BC051869](#)

Protein Accession# [AAH51869](#)

Gene Name RGS4

Gene Alias DKFZp761F1924, MGC2124, MGC60244, RGP4, SCZD9

Gene Description regulator of G-protein signaling 4

Omim ID [602516 604906](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000032322|regulator of G-protein signalling 4|schizophrenia disorder 9

Publication Reference

- [Characterization of Regulators of G-protein signaling RGS4 and RGS10 proteins in the postmortem human brain.](#)

Rivero G, Gabilondo AM, Garcia-Sevilla JA, La Harpe R, Morentin B, Meana JJ.

Neurochemistry International 2010 Dec; 57(7):722.

Application: WB-Re, Recombinant protein

Disease

- [Alcoholism](#)
- [Bipolar Disorder](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Electroconvulsive Therapy](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
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