

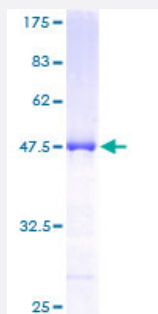
Full-Length

RGS10 (Human) Recombinant Protein (P01)

Catalog # H00006001-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RGS10 full-length ORF (AAH09361, 1 a.a. - 181 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MFNRAVSRLSRKRPPSDIHSDGSSSSSHQSLKSTAKWAASLENLLEDPEGVKRFREFLKKEFS EENVLFWLACEDFKKMQDKTQMKEKAKEIMTFLSSKASSQVNVEGQSRLNEKILEEPHPLMFQ KLQDQIFNLMKYDSYSRFLKSDLFLKHKRTEEEEEEDLPDAQTAAKRASRYNT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	45.65
Interspecies Antigen Sequence	Mouse (92); Rat (94)
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 — RGS10

Entrez GeneID [6001](#)

GeneBank Accession# [BC009361](#)

Protein Accession# [AAH09361](#)

Gene Name RGS10

Gene Alias -

Gene Description regulator of G-protein signaling 10

Omim ID [602856](#)

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 10 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. This protein associates specifically with the activated forms of the two related G-protein subunits, G-alpha13 and G-alpha14 but fails to interact with the structurally and functionally distinct G-alpha subunits. Regulator of G protein signaling 10 protein is localized in the nucleus. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000020597|OTTHUMP00000069158|regulator of G-protein signalling 10

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

- [Alzheimer Disease](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)