

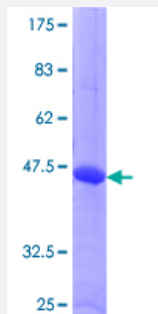
Full-Length

RGS5 (Human) Recombinant Protein (P01)

Catalog # H00008490-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RGS5 full-length ORF (NP_003608.1, 1 a.a. - 181 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MCKGLAALPHSCLERAKEIKIKLGILLQKPDSVGDLPYNEKPEKPAKTQKTSIDEALQWRDSDL
KLLQNNYGLASFKSFLKSEFSEENLEFWIACEDYKKIKSPAKMAEKAKQYEEFIQTEAPKEVNIDH
FTKDITMKNLVEPSLSSFDMAQKRIHALMEKDSLPRFVRSEFYQELIK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

47.3

Interspecies Antigen Sequence

Mouse (90); Rat (90)

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 — RGS5

Entrez GeneID [8490](#)

GeneBank Accession# [NM_003617.2](#)

Protein Accession# [NP_003608.1](#)

Gene Name RGS5

Gene Alias MST092, MST106, MST129, MSTP032, MSTP092, MSTP106, MSTP129

Gene Description regulator of G-protein signaling 5

Omim ID [145500 603276](#)

Gene Ontology [Hyperlink](#)

Gene Summary The regulator of G protein signaling (RGS) proteins are signal transduction molecules that have structural homology to SST2 of *Saccharomyces cerevisiae* and EGL-10 of *Caenorhabditis elegans*. Multiple genes homologous to SST2 are present in higher eukaryotes. RGS proteins are involved in the regulation of heterotrimeric G proteins by acting as GTPase activators.[supplied by OMIM]

Other Designations OTTHUMP00000032361|Regulator of G protein signaling-5|regulator of G-protein signalling 5

Disease

- [Adenocarcinoma](#)
- [Bipolar Disorder](#)

- [Carcinoma](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hypertension](#)
- [Lung Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)