

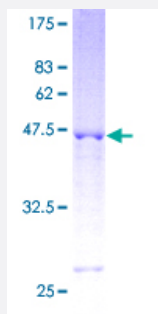
Full-Length

# RGS17 (Human) Recombinant Protein (P01)

Catalog # H00026575-P01

Size 25 ug, 10 ug

## Applications



## Specification

|                               |                                                                                                                                                                                                                                |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Human RGS17 full-length ORF ( AAH13117, 1 a.a. ~ 210 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                     |
| Sequence                      | MRKRQQSQNEGTPAVSQAPGNQRPNNNTCCFCWCCCCSCSCLTVRNEERGENAGRPTHHTKM<br>ESIQVLEECQNPTAEEVLSWSQNFDMKMMKAPAGRNLFREFLRTEYSEENLLFWLACEDLKKEQN<br>KKVIEEKARMYEDYISILSPKEVSLDSRVREVINRNLLDPNPHMYEDAQLQIYTLMHRDSFPRFLNS<br>QYKSFVESTAGSSSES |
| Host                          | Wheat Germ (in vitro)                                                                                                                                                                                                          |
| Theoretical MW (kDa)          | 48.73                                                                                                                                                                                                                          |
| Interspecies Antigen Sequence | Mouse (91); Rat (93)                                                                                                                                                                                                           |
| Preparation Method            | <a href="#">in vitro wheat germ expression system</a>                                                                                                                                                                          |
| 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 — RGS17

Entrez GeneID [26575](#)

GeneBank Accession# [BC013117](#)

Protein Accession# [AAH13117](#)

Gene Name RGS17

Gene Alias RGS-17, RGSZ2, hRGS17

Gene Description regulator of G-protein signaling 17

Omim ID [607191](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of the regulator of G-protein signaling family. This protein contains a conserved, 120 amino acid motif called the RGS domain and a cysteine-rich region. The protein attenuates the signaling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. [provided by RefSeq]

**Other Designations** OTTHUMP00000017460|regulator of G-protein signalling 17

## Disease

- [Adenocarcinoma](#)

- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)