

# Recombinant human RGS2 protein

Catalog Number: ATGP0975

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-211aa

### UniProt No.

P41220

### NCBI Accession No.

NP\_002914.1

### Alternative Names

Regulator of G-protein signaling 2 24kDa, G0S8

## PRODUCT SPECIFICATION

---

### Molecular Weight

26.5 kDa (231aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

RGS2, also known as G0S8, is a RGS family member and regulatory molecules that act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins. This protein inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Recombinant human RGS2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

# Recombinant human RGS2 protein

Catalog Number: ATGP0975

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH M>QSAMFLAVQ HDCRPMDKSA GSGHKSEEKR EKMKRLLKDK WKTRLSYFLQ  
NSSTPGKPKT GKSKQQAQFI KPSPEEAQLW SEAFDELLAS KYGLAAFRAF LKSEFCEENI EFWLACEDFK KTKSPQKLSS  
KARKIYTDFI EKEAPKEINI DFQTKTLIAQ NIQEATSGCF TTAQKRVYSL MENNSYPRFL ESEFYQDLCK KPQITTEPHA T

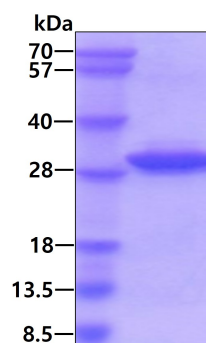
## General References

Tang KM., et al. (2003) Nat Med. 9(12):1506-12.

Santos de Araujo RM., et al. (2007) Cell Biochem Funct. 25(6):753-8.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.