

# Recombinant human RGS19 protein

Catalog Number: ATGP0810

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-217aa

### UniProt No.

P49795

### NCBI Accession No.

NP\_001034556

### Alternative Names

Regulator of G-protein signaling 19, GAIP, GNAI3IP

## PRODUCT SPECIFICATION

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### Molecular Weight

26.7 kDa (237aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### 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

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### Description

RGS19, also known as Regulator of G-protein signaling 19, belongs to RGS (regulator of G protein signaling) family and negatively regulates G protein coupled receptor signaling. This protein specifically interacts with heterotrimeric GTP-binding protein G alpha i3 (GAI3). Recombinant human RGS19 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MPTPHEAEKQ ITGPEEADRP PSMSSHDTAS PAAPSRNPCC LCWCCCCSCS

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WNQERRRAWQ ASRESKLQPL PSCEVCATPS PEEVQSWAQS FDKLMHSPAG RSVFRAFLRT EYSEENMLFW LACEELKAEA  
NQHVVDKAR LIYEDYVSIL SPKEVSLDSR VREGINKKMQ EPSAHTFDDA QLQIYTLMHR DSYPRFLSSP TYRALLLQGP  
SQSSSEA

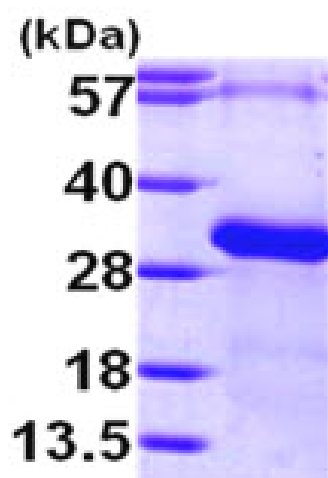
## General References

Wong YH., et al. (2010) Cell Signal. 22(11):1700-7.

Farquhar MG., et al (1995) Proc Natl Acad Sci u S A. 92(25):11916-20.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)