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# Recombinant human RGS19 protein

Catalog Number: ATGP0810

### **PRODUCT INFORMATION**

## **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

## **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**

### **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 SSGLVPRGSH MPTPHEAEKO ITGPEEADRP PSMSSHDTAS PAAPSRNPCC LCWCCCSCS



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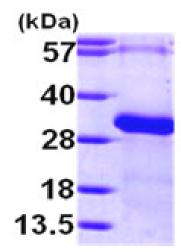
WNQERRRAWQ ASRESKLQPL PSCEVCATPS PEEVQSWAQS FDKLMHSPAG RSVFRAFLRT EYSEENMLFW LACEELKAEA NQHVVDEKAR LIYEDYVSIL SPKEVSLDSR VREGINKKMQ EPSAHTFDDA QLQIYTLMHR DSYPRFLSSP TYRALLLQGP SOSSSEA

#### **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**



15% SDS-PAGE (3ug)

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

