

Recombinant Human RGS19, His-tagged

Cat. No. RGS19-30744TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RGS19 with an N terminal His tag; 237 amino acids with tag, Predicted MWt 26.7 kDa.
Species	Human
Source	E.coli
ProteinLength	217 amino acids
Description	G proteins mediate a number of cellular processes. The protein encoded by this gene belongs to the RGS (regulators of G-protein signaling) family and specifically interacts with G protein, GAI3. This protein is a guanosine triphosphatase-activating protein that functions to down-regulate Galpha i/Galpha q-linked signaling. Alternatively spliced transcript variants encoding the same protein isoform have been found for this gene.
Conjugation	HIS
Molecular Weight	26.700kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, PBS, pH 7.4

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMPTPHEAEKQITGPPEADRPSPMSSHDTASPAAPS RNPCCLCWCCCCSCSWNQERRRAWQASRESKLQPLPSCEVCATPSPEEVQSWA QSFDKLMHSPAGRSVFRAFLRTEYSEENMLFWLACEELKAEANQHVVDEKARLIYE DYVSILSPKEVSLDSRVREGINKKMQEPSAHTFDDAQLQIYTLMHRDSYPRFLSSPT YRALLLQGSPSQSSSEA

GENE INFORMATION

Gene Name	RGS19 regulator of G-protein signaling 19 [Homo sapiens]
Official Symbol	RGS19
Synonyms	RGS19; regulator of G-protein signaling 19; regulator of G protein signalling 19; GAIP; RGSGAIP;
Gene ID	10287
mRNA Refseq	NM_005873
Protein Refseq	NP_005864
MIM	605071
Uniprot ID	P49795
Chromosome Location	20q13.33

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Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; G alpha (z) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem;
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Function	G-protein alpha-subunit binding; GTPase activator activity; protein binding; signal transducer activity;
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