

Recombinant Human Regulator Of G-protein Signaling 16, His-tagged

Cat. No. RGS16-2031H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RGS16 protein with his tag was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques, 24.9 kDa (222aa).
Species	Human
Source	E.coli
Description	RGS16, also known as regulator of G-protein signaling 16, belongs to "regulator of G protein signaling" family and negatively regulates G protein coupled receptor signalling. This protein inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP bound form. It also may play a role in regulating the kinetics of signaling in the phototransduction cascade.
Form	Liquid. In Phosphate Buffered Saline (pH7.4) containing 20% glycerol 0.1M NaCl.
Purity	> 90% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MCRTLAAPPT TCLERAKEFK TRLGIFLHKS EL GCD TGSTG KFEWGSKHSK ENRNFSEDVL GWRESFDLLLSSKNGVAAFH AFLKT EFSEE NLEFWLACEE FKKIRSATKL ASRAHQIFEE FICSEAPKEV NIDHETRELT RMNLQTATAT CFDAAQGKTRTLMEKDSYPR FLKSPAYRDL AAQASAASAT LS

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SCSLDEPS HT.

Storage

can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

RGS16 regulator of G-protein signaling 16 [Homo sapiens]

Synonyms

regulator of G-protein signaling 16; RGS-R; A28-RGS14; A28-RGS14P; RGS16; hRGS-r; retinal-specific RGS; retinally abundant regulator of G-protein signaling; RGS-R; RGS-r; Retinally abundant regulator of G-protein signaling

Gene ID

6004

mRNA Refseq

NM_002928

Protein Refseq

NP_002919

MIM

602514

UniProt ID

O15492

**Chromosome
Location**

1q25-q31

Function

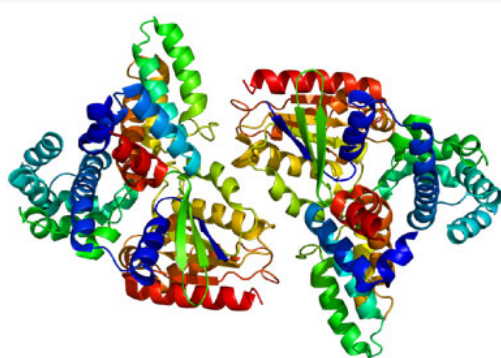
GTPase activator activity; calmodulin binding; signal transducer activity

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