

Recombinant Human RGS16, His-tagged

Cat. No. RGS16-30742TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RGS16, with His tag, amino acids 1-202 , MWt 24.9kDa,
Species	Human
Source	E.coli
ProteinLength	1-202 a.a.
Description	The protein encoded by this gene belongs to the regulator of G protein signaling family. It inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits. It also may play a role in regulating the kinetics of signaling in the phototransduction cascade.
Conjugation	HIS
Tissue specificity	Abundantly expressed in retina with lower levels of expression in most other tissues.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, PBS, 100mM Sodium chloride, pH 7.4
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid

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repeated freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MCRTLAAFPT TCLERAKEFK TRLGIFLHKS
ELGCDTGSTG KFEWGSKHSH ENRNFSVDL GWRESFDLLL SSKNGVAAFH
AFLKTEFSEE NLEFWLACEE FKKIRSATKL ASRAHQIFEE FICSEAPKEV
NIDHETRELT RMNLQTATAT CFDAAQGKTR TLMEKDSYPR FLKSPAYRDL
AAQASAASAT LSSCSLDEPS HT

Sequence Similarities

Contains 1 RGS domain.

Full Length

Full L.

GENE INFORMATION

Gene Name

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

Official Symbol

RGS16

Synonyms

RGS16; regulator of G-protein signaling 16; regulator of G protein signalling 16; A28
RGS14; RGS r;

Gene ID

6004

mRNA Refseq

NM_002928

Protein Refseq

NP_002919

MIM

602514

Uniprot ID

O15492

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Chromosome Location	1q25-q31
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem;
Function	GTPase activator activity; calmodulin binding; signal transducer activity;

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