

Recombinant Human RGS16, His-tagged

Cat. No. RGS16-30743TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RGS16 with N-terminal His tag.222 amino acids with a molecular mass of 24.9 kDa.
Species	Human
Source	E.coli
ProteinLength	202 amino acids
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
Molecular Weight	24.900kDa inclusive of tags
Tissue specificity	Abundantly expressed in retina with lower levels of expression in most other tissues.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris-HCl buffer, 0.58% Sodium chloride, 20% Glycerol

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Storage	Please see Notes section
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MCRTLA AFPT TCLERAKEFK TRLGIFLHKS ELGCDTGSTG KFEWGSKHSK ENRNFS EDVL GWRESFDLLL SSKNGVAAFH AFLKTEFSEE NLEFWLACEE FKKIRSATKL ASRAHQIFEE FICSEAPKEV NIDHETRELT RMNLQTATAT CFDA AQGKTR TLMEKDSYPR FLKSPAYRDL AAQASAASAT LSSCSLDEPS HT
Sequence Similarities	Contains 1 RGS domain.
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
Chromosome Location	1q25-q31

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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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