

AR09398PU-N

Human RGS16 / RGSR (1-202, His-tag) - Purified

Alternate names:	A28-RGS14P, RGS-r, Regulator of G-protein signaling 16, Retinal-specific RGS, Retinally abundant regulator of G-protein signaling
Quantity:	50 µg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	O15492
NCBI:	AAH06243
GeneID:	6004
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: PBS, pH 7.4, containing 20% glycerol, 0.1 M NaCl
Description:	Recombinant RGS16 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHH SSGLVPRGSH</u> MCRTLAAFP TCLERAKEFK TRLGIFLHKS ELGCDTGSTG KFEWGSKHSK ENRNFSEDVL GWRESFDLLL SSKNGVAAFH AFLKTEFSEE NLEFWLACEE FKKIRSATKL ASRAHQIFEE FICSEAPKEV NIDHETRELT RMNLQTATAT CFDAAQGKTR TLMEKDSYPR FLKSPAYRDL AAQASAASAT LSSCSLDEPS HT Molecular weight: 24.9 kDa (222 aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Derrien A., et al. (2001) J Biol Chem. 276(51):48532-8.

Pictures:

Recombinant human RGS16, 1-202 aa,
His-tagged: 15% SDS-PAGE (3 µg)

