9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RGS16 Human

Regulator of G-Protein Signaling 16 Human Recombinant
RCP1857

Product Overview

Name	RGS16 Human
Description	
Regulator of G-Protein Signaling 16 Human Recombinant	
Accession (Primary)	O15492
Synonyms	
A28-RGS14, A28-RGS14P, RGS-R, Regulator of G-protein signaling 16, RGS16, Retinally abundant regulator of G-protein signaling, Retinal-specific RGS, hRGS-r, RGSR.	
Introduction	
RGS16 is part of the ''regulator of G protein signaling'' family. RGS16 inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. RGS16 Binds to G(i)-alpha and G(o)-alpha, but not to G(s)-alpha. RGS16 regulates the kinetics of signaling in the phototransduction cascade.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear colorless solution.	
Formulation	
The RGS16 solution (0.5mg/ml) contains Phosphate Buffered Saline (pH7.4), 0.1M NaCl and 20% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MCRTLAAFPT TCLERAKEFK TRLGIFLHKS ELGCDTGSTG KFEWGSKHSK ENRNFSEDVL GWRESFDLLL SSKNGVAAFH AFLKTEFSEE NLEFWLACEE FKKIRSATKL ASRAHQIFEE FICSEAPKEV NIDHETRELT RMNLQTATAT CFDAAQGKTR TLMEKDSYPR FLKSPAYRDL AAQASAASAT LSSCSLDEPS HT.	

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Precautions

RGS16 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O15492)