

Regulator of G-Protein Signaling 16 Human Recombinant

Item Number	rAP-4641
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.
Description	RGS16 Human Recombinant fused to 20 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 222 amino acids (1-202 a.a.) and having a molecular mass of 24.9 kDa.
Uniprot Accession Number	O15492
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MCRTLAAFPT TCLERAKEFK TRLGIFLHKS ELGCDTGSTG KFEWGSKHSK ENRNFSEDLV GWRESFDLLL SSKNGVAAFH AFLKTEFSEE NLEFWLACEE FKKIRSATKL ASRAHQIFEE FICSEAPKEV NIDHETRELT RMNLQTATAT CFDAAQGKTR TLMEKDSYPR FLKSPAYRDL AAQASAASAT LSSCSLDEPS HT.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear colorless solution. 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.
Formulation and Purity	The RGS16 solution contains 20mM Tris-HCl pH-8, 0.1M NaCl and 20% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**