

Regulator of G-Protein Signaling 14 Human Recombinant

Item Number	rAP-4639
Synonyms	Regulator of G-protein signaling 14, RGS14.
Description	RGS14 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 586 amino acids (1-566 a.a) and having a molecular mass of 63.6kDa. RGS14 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	O43566
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPGKPKHLGV PNGRMVLAVS DGELSSTTGP QQGEGGRGSS LSIHSPLSPG SSPFPTTEEQP VASWALSFER LLQDPLGLAY FTEFLKKEFS AENVTFWKAC ERFQQIPASD TQQLAQEARN IYQEFLLSSQA LSPVNIDRQA WLGEELVAEP RPDMFRAQQL QIFNLMKFDS YARFVKSPY RECLLAEEAG RPLREPGSSR LGSPDATRKK PKLKPGKSLP LGVEELGQLP PVEGPGGRPL RKSFRRELGG TANAALRRS QGSLNSSASL DLGFLAFVSS KSESHRKSLG STEGESESRP GKYCCVYLPD GTASLALARP GLTIRDMLAG ICEKRGSLSPDIKVYLVGNE
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered 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	RGS14 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer, pH7.5, 10% glycerol, 1mM DTT and 200mM NaCl. Greater than 80% 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**