

Regulator of G-Protein Signaling 2 Human Recombinant

Item Number	rAP-4640
Synonyms	Regulator of G-protein Signaling 2 24kDa, G0S8, G0/G1 switch regulatory protein 8, Cell growth-inhibiting gene 31 protein, RGS2.
Description	RGS2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 231 amino acids (1-211a.a.) and having a molecular mass of 26.5 kDa. RGS2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P41220
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MQSAMFLAVQ HDCRPMDKSA GSGHKSEEKR EKMKRTLLKD WKTRL-SYFLQ NSSTPGKPKT GKKSKQQAFI KPSPEEAQLW SEAFDELLAS KYGLAAFRAF LKSEFCEENI EF-WLACEDFK KTKSPQKLSS KARKIYDFI EKEAPKEINI DFQTKLIAQ NIQEATSGCF TTAQKRVYSL MENNSYPRFL ESEFYQDLCK KPQITTEPHA T
Source	Escherichia Coli.
Physical Appearance and Stability	The RGS2 is supplied as a sterile filtered clear 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 RGS2 protein solution (0.25mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 2mM DTT and 10% glycerol. RGS2 purity was found to be 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**