

Regulator of G-Protein Signaling 5 Human Recombinant

Item Number	rAP-4645
Synonyms	Regulator of G-protein signaling 5, RGS5, MST092, MST106, MST129, MSTP032, MSTP092, MSTP106, MSTP129.
Description	RGS5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 205 amino acids (1-181 a.a.) and having a molecular mass of 23.5kDa.RGS5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	O15539
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSHMCKGLA ALPHSCLERA KEIKIKLGIL LQKPDSVGD L VIPYNEK-PEK PAKTQKTS LD EALQWRDSL D KLLQNNYGLA SFKSFLKSEF SEENLEFWIA CEDYKKIKSP AKMAEKAKQI YEEFIQTEAP KEVNIDHFTK DITMKNLVEP SLSSFDMAQK RIHALMEKDS LPRFVRFSEFY QELIK.
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	RGS5 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT. 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**