

Ras Homolog Gene Family Member G Human Recombinant

Item Number	rAP-3586
Synonyms	Ras homolog family member G(rho G), rho-related GTP-binding protein RhoG, MGC125836, RhoG, ARHG, MGC125835.
Description	RHOG Human Recombinant produced in E. coli is a single polypeptide chain containing 225 amino acids (1-188) and having a molecular mass of 25.2 kDa. RHOG is fused to a 37 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P84095
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMQS IKCVVVG DGA VGKTCLLIC Y TTNAFPKEYI PTVFDNYS AQ SAVDGRTVNL NLWDTAGQEE YDRLRTL SYP QTNVFVICFS IASPPSY- ENV RHKWHPEVCH HCPDVPILLV GTKKDLRAQP DTLRRLKEQG QAPITPQQGQ ALAKQIHAVR YLECSALQQD GVKEVFAEAV RAVLNPTPIK RGRSC
Source	E.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	The RHOG solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 5mM DTT and 40% 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**