

Guanine Nucleotide Binding Protein Human Recombinant

Item Number	rAP-4212
Synonyms	Guanine Nucleotide Binding Protein (G Protein), Q Polypeptide, Guanine Nucleotide-Binding Protein Alpha-Q, CMC1, SWS, GAQ, Guanine Nucleotide-Binding Protein G(Q) Subunit Alpha, G-ALPHA-Q, Guanine
Description	GNAQ Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 382 amino acids (1-359 a.a) and having a molecular mass of 44.5kDa.
Uniprot Accession Number	P50148
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMTLESIM ACCLSEEAKE ARRINDEIER QLRRDKRDAR RELKLLLLGT GESGKSTFIK QMRIHGSYG SDEDKRGFTK LVYQNIFTAM QAMIRAMDTL KIPYKYEHNK AHAQLVREVD VEKVSFENP YVDAIKSLWN DPGIQECYDR RREYQLSDST
Source	Escherichia Coli.
Physical Appearance and Stability	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	GNAQ protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol. Greater than 90.0% 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**