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## Product Data Sheet

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Product Name: GNG13 Human  
 Cat. No.: GP23580  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Guanine Nucleotide Binding Protein (G Protein); Gamma 13; Clone:H2-35; G Gamma Subunit; G(gamma)13; Guanine Nucleotide Binding Protein 13; Gamma; Guanine Nucleotide-Binding Protein G(I)/G(S)/G(O)Subunit Gamma-13 h2-35; G Gamma Subunit; clone:h2-35; GNG13.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEEDVDP QMKKEVESLK YQLAFQREMA SKTIPELLKW IEDGIPKDPFLNPDLMKNNP WVEKGKC.		
Formulation	GNG13 protein solution (0.25 mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 40% glycerol, 2mM DTT and 0.1mM PMSF.		

### Introduction

Guanine Nucleotide Binding Protein Gamma 13, also known as GNG13 is a member of the G protein gamma family. Heterotrimeric G proteins, which consist of alpha, beta, and gamma subunits, function as signal transducers for the 7-transmembrane-helix G protein-coupled receptors. GNG13 is the gamma subunit which is expressed in taste, retinal, and neuronal tissues and takes a central part in taste transduction.

### Stability

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.

### Background

GNG13 Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 87 amino acids (1-64 a.a) and having a molecular mass of 10.0 kDa. GNG13 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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