
Product Data Sheet

Product Name: GNG12 Human
 Cat. No.: GP23579
 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 12;Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSSKTAS TNNIAQARRT VQQLRLEASI ERIKFSKASA DLMSYCEEHARSDPLLIGIP TSENPFKDKK TC.		
Formulation	GNG12protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10%glycerol.		

Introduction

Guanine Nucleotide Binding Protein Gamma 12, also known as GNG12 belongs to the Guanine nucleotide-binding proteins (G proteins) which are involved as a modulator or transducer in a variety of transmembrane signaling systems. In addition, the beta as well as gamma chains are essential for the GTPase activity, for replacement of GDP by GTP, and also for G protein-effector interaction.

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

GNG12 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 92 amino acids (1-69 a.a) and having a molecular mass of 10.1kDa. GNG12 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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