
Product Data Sheet

Product Name: GNGT1 Human
 Cat. No.: GP23581
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GuanineNucleotide Binding Protein (G Protein); Gamma Transducing Activity Polypeptide1; Transducin Gamma Chain; Guanine Nucleotide-Binding Protein G(T) SubunitGamma-T1; GNG1; Guanine nucleotide-binding protein G(T) subunit gamma-T1.		
Amino Acid Sequence	MGSSHHHHHSSGLVPRGSH MGSMPVINIEDLTEKDKLKM EVDQLKKEVT LERMLVSKCC EEVRDYVEER SGEDPLVKGI PEDKNPFKEL KGGC.		
Formulation	GNGT1 protein solution (1mg/ml) containing 20mM Tris-HClbuffer (pH8.0), 10% glycerol, 0.1M NaCl and 1mM EDTA.		

Introduction

Guanine Nucleotide Binding Protein Gamma Transducing 1, also known asGNGT1 is amember of the G protein gamma family. GNGT1 is implicated in varioustransmembrane signaling systems as a modulator or transducer. In addition GNGT1 (beta & gamma chains)is required for the GTPase activity, for replacement of GDP by GTP, and for Gprotein- 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

GNGT1 Human Recombinant produced in E.Coli is a single,non-glycosylated polypeptide chain containing 94 amino acids (1-71 a.a) andhaving a molecular mass of 10.6kDa.GNGT1 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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