

**GNGT1, 1-71aa, Human, His tag, E.coli**

**Cat.NO.: TP02296**

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3th Edition

**Synonyms:**Guanine nucleotide-binding protein G(T) subunit gamma-T1, GNG1

**Description:**GNGT1, also known as guanine nucleotide-binding protein G(T) subunit gamma-T1, belongs to the G protein gamma family. This protein is involved as a modulator or transducer in various transmembrane signaling systems. It is required for the GTPase activity, for replacement of GDP by GTP, and for G protein- effector interaction. Recombinant human GNGT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl,1mM EDTA

**Molecular Weight:**10.6 kDa(94aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMPIVNIEDLTEKDKLKMEVDQLKKEVTLERMLVSKCCEEVRDYVEERSGEDP  
LVKGIPEDKNPFKELKGGC

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.