

# Recombinant human GNGT1 protein

Catalog Number: ATGP2815

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-71aa

### UniProt No.

P63211

### NCBI Accession No.

NP\_068774

### Alternative Names

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

## PRODUCT SPECIFICATION

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### Molecular Weight

10.6 kDa (94aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl, 1mM EDTA

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MPVINIE DLTEKDKLKM EVDQLKKEVT LERMLVSKCC EEVRDYVEER  
SGEDPLVKGI PEDKNPFKEL KGGC

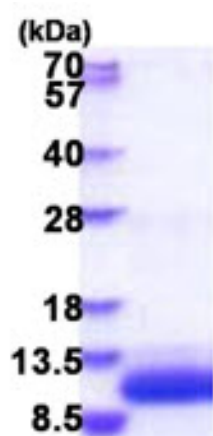
## General References

Scherer SW. et al. (1996) Genomics. 35:241-243  
Simonds WF. et al. (1991) J Biol Chem. 266:5363-5366.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)