

# Recombinant human GNG12 protein

Catalog Number: ATGP3001

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-69aa

### UniProt No.

Q9UBI6

### NCBI Accession No.

NP\_061329

### Alternative Names

Guanine nucleotide-binding protein G(I)/G(S)/G(O)subunit gamma-12, G-protein gamma-12, G gamma12

## PRODUCT SPECIFICATION

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### Molecular Weight

10.1 kDa (92aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### 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

GNG12 also known as Guanine nucleotide-binding protein G (I) /G (S) /G (O) subunit gamma-12. This protein is Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. Recombinant human GNG12 protein, was expressed in E. coli

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## Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMSKTAS TNNIAQARRT VQQLRLEASI ERIKVS KASA DLMSYCEEHA RSDPLLIGIP  
TSENPFKDKK TC

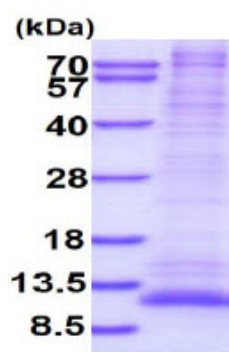
## General References

Hurowitz E.H., et al (2000). DNA Res. 7:111-120.  
Cook L.A., et al (2001). Protein Sci. 10:2548-2555.

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)