

# Recombinant human GNG4 protein

Catalog Number: ATGP2519

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-72aa

### UniProt No.

P50150

### NCBI Accession No.

NP\_001092192

### Alternative Names

Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4 precursor, Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4 precursor, Guanine nucleotide binding protein (G protein), gamma 4

## PRODUCT SPECIFICATION

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### Molecular Weight

10.4 kDa (95aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 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

Guanine nucleotide-binding protein G (I) /G (S) /G (O) subunit gamma-4 precursor, also known as GNG4, is members of a multigene family and are implicated in determining the specificity of receptor-G protein interaction. In mammals, G protein alpha, beta and gamma polypeptides are encoded by at least 16, 4 and 7 genes, respectively. GNG4 is becoming increasingly clear that different G protein complexes expressed in different tissues carry structurally distinct members of the gamma as well as the alpha and beta subunits and

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that preferential association between members of subunit families increase G protein functional diversity. Recombinant human GNG4 protein, fused to His-tag at N-terminus, was expressed in E. coli.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMKEGMSN NSTTTSISQAR KAVEQLKMEA CMDRVKVSQA AADLLAYCEA HVREDPLIIP  
VPAENPFRE KKFFC

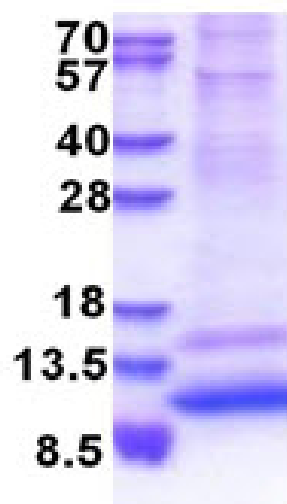
### General References

Kalyanaraman S., et al. (1998) Genomics. 49(1): 147-51.  
Simon N I., et al. (1991) Science. 252: 802-808.

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)