

# Recombinant human GNG11 protein

Catalog Number: ATGP2533

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-70aa

### UniProt No.

P61952

### NCBI Accession No.

NP\_004117

### Alternative Names

Guanine nucleotide binding protein (G protein) gamma 11, Guanine nucleotide binding protein (G protein), gamma 11, GNGT11

## PRODUCT SPECIFICATION

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### Molecular Weight

10.6 kDa (93aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

### Purity

> 90% 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

GNG11 is a member of the guanine nucleotide-binding protein (G protein) gamma family and encodes a lipid-anchored, cell membrane protein. As a member of the heterotrimeric G protein complex, this protein plays a role in this transmembrane signaling system. This protein is also subject to carboxyl-terminal processing. Decreased expression of this gene is associated with splenic marginal zone lymphomas. Recombinant human GNG11 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMPALHIE DLPEKEKMKM EVEQLRKEVK LQRQQVSKCS EEIKNYIEER SGEDPLVKGI  
PEDKNPFKEK GSC

### General References

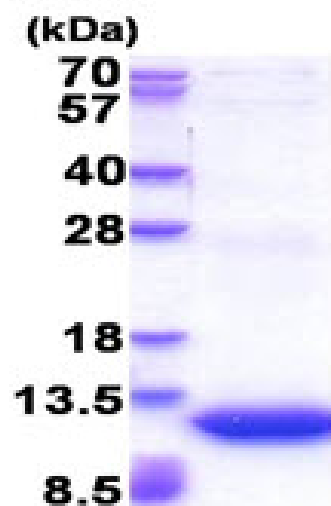
Ray K., et al. (1995) J. Biol. Chem. 270:21765-21771

Hillier L.W., et al. (2003) Nature. 424:157-164

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)