

# Recombinant human GNAZ protein

Catalog Number: ATGP1727

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-355aa

### UniProt No.

P19086

### NCBI Accession No.

NP\_002064

### Alternative Names

Guanine nucleotide-binding protein G(z) subunit alpha, G(x) alpha chain, Guanine nucleotide-binding protein G(z) subunit alpha Gz-alpha

## PRODUCT SPECIFICATION

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### Molecular Weight

43.0 kDa (375aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 90% 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 (z) subunit alpha, also known as GNAZ, is a member of a G protein subfamily that mediates signal transduction in pertussis toxin-insensitive systems. This protein may play a role in maintaining the ionic balance of perilymphatic and endolymphatic cochlear fluids. Recombinant human GNAZ protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

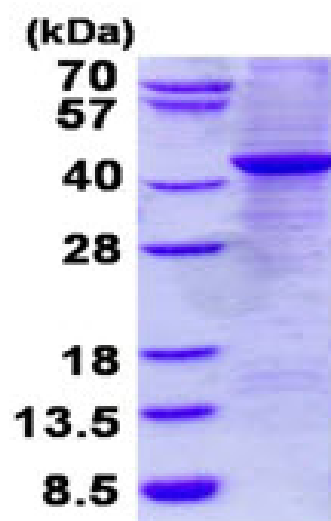
MGSSHHHHHH SSGLVPRGSH MGCRQSSEK EAARRSRID RHLRSESQRQ RREIKLLLLG TSNSGKSTIV KQMKIIHSGG  
FNLEACKEYK PLIIYNAIDS LTRIIRALAA LRIDFHNPDR AYDAVQLFAL TGPAESKGEI TPELLGVMRR LWADPGAQAC  
FSRSSEYHLE DNAAYYLNDL ERIAAADYIP TVEDILSRD MTTGIVENKF TFKELTFKMV DVGGRSERK KWIHCFEGVT  
AIIFCVELSG YDLKLYEDNQ TSRMAESLRL FDSICNNWF INTSLILFLN KKDLLAEKIR RIPLTICFPE YKGQNTYEEA  
AVYIQRQFED LNRNKETKEI YSHFTCATDT SNIQVFDAV TDVIIQNNLK YIGLC

## General References

Gagnon A.W., et al. (1991) Blood. 78:1247-1253  
Matsuoka M., et al. (1990) J. Biol. Chem. 265:13215-13220

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)