

## 32-3899: GNAZ Recombinant Protein

**Alternative Name :** Guanine Nucleotide Binding Protein (G Protein) Alpha Z Polypeptide, G(X) Alpha Chain, Guanine Nucleotide-Binding Protein G(Z) Subunit Alpha, Gz-Alpha, Transducin Alpha.

### Description

Source : E.coli. GNAZ Human Recombinant produced in E. coli is a single polypeptide chain containing 375 amino acids (1-355) and having a molecular mass of 43.0 kDa. GNAZ is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Guanine nucleotide-binding protein G(z) subunit alpha (GNAZ) belongs to the G protein subfamily which mediates signal transduction in pertussis toxin-insensitive systems. GNAZ has a role in maintaining the ionic balance of perilymphatic and endolymphatic cochlear fluids. G proteins are involved as modulators or transducers in a variety of transmembrane signaling systems.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The GNAZ solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGCQRSSEK EAARRSRRID RHLRSESQRQ RREIKLLLLG TSNSGKSTIV QMKIIHSGG FNLEACKKEYK PLIYNAIDS LTRIIRALAA LRIDFHNPD AYDAVQLFAL TGPAESKGEI TPELLGVMRR LWADPGAQAC FSRSEYHLE DNAAYYLNDL ERIAAADYIP TVEDILRSRD MTTGIVENKF TFKELTFKMV DVGGQRSEK KWIHC FEGVT AIIFCVELSG YDLKLYEDNQ TSRMAESLRL FDSICNNNWF INTSLILFLN KKDLLAEKIR RIPLTICFPE YKGQNTYEEA AVYIQRQFED LNRNKETKEI YSHFTCATDT SNIQFVFDV TDVIIQNNLK YIGLC

