

Guanine Nucleotide Binding Protein Alpha Z Polypeptide Human Re-

Item Number	rAP-3355
Synonyms	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	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.
Uniprot Accession Number	P19086
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGCRRSSEK EAARRSRRID RHLRSESQRQ RREIKLLLLG TSNSGKSTIV QMKIIHSGG FNLEACEYK PLIYNAIDS LTRIIRALAA LRIDFHNPDY AYDAVQLFAL TGPAESKGEI TPELLGVMRR LWADPGAQAC FSRSEYHLE DNAAYYLNLD ERIAAADYIP TVEDIL- RSRD MTTGIVENKF TFKELTFKMV DVGGRSERK KWIHCFEGVT AIIFCVELSG YDLKLYEDNQ TSRM- AESLRL FDSICNNWF INTSLILFLN KKDLLAEKIR RIPLTICFPE YKGQNTYEEA AVYIQRQFED LNRN- KETKEI YSHFTCATDT SNIQVFDAV TDVIIQNNLK YIGLC
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The GNAZ solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**