

Recombinant Human GNAZ

Cat. No. GNAZ-31726TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human G Protein alpha x+z with a N terminal proprietary tag; Predicted MWt 67.16 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	355 amino acids
Description	The protein encoded by this gene is a member of a G protein subfamily that mediates signal transduction in pertussis toxin-insensitive systems. This encoded protein may play a role in maintaining the ionic balance of perilymphatic and endolymphatic cochlear fluids.
Molecular Weight	67.160kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MGCRQSSEEKEAARRSRRIDRHLRSESQRQRREIKLLLLG TSNSGKSTIVKQMKIIH
 SGGFNLEACKEYKPLIYNAIDS LTRIIRALAALRIDFHNPDRAYDAVQLFALTGPAES
 KGEI TPELLGVMRRLWADQGAQACFSRSSEYHLEDNAAYYLNDL ERIAAADYIPTV
 EDILRSRDMTTGIVENKFTFKELTFKMV DVGGQRSERKKWIHCFEGVTAIIFCVELSG
 YDLKLYEDNQ TSRMAESLRLFDSICNNWFINTSLILFLNKKDLLAEKIR RIPLTICFP
 EYKGQNTYEEAAVYIQRQFEDLNRNKETKEI YSHFTCATDTSNIQFVFDVAVTDVIIQN
 NLKYIGLC

Sequence Similarities

Belongs to the G-alpha family. G(i/o/t/z) subfamily.

GENE INFORMATION

Gene Name	GNAZ guanine nucleotide binding protein (G protein), alpha z polypeptide [Homo sapiens]
Official Symbol	GNAZ
Synonyms	GNAZ; guanine nucleotide binding protein (G protein), alpha z polypeptide; guanine nucleotide-binding protein G(z) subunit alpha;
Gene ID	2781
mRNA Refseq	NM_002073
Protein Refseq	NP_002064
MIM	139160
Uniprot ID	P19086

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Chromosome Location	22q11.1-q11.2
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; G Protein Signaling Pathways, organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; G alpha (z) signalling events, organism-specific biosystem;
Function	G-protein beta/gamma-subunit complex binding; GTP binding; GTPase activity; guanyl nucleotide binding; guanyl-nucleotide exchange factor activity;

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