

GNAZ Protein, Human (His-SUMO)

Cat. No.:	HY-P72208
Synonyms:	Gx; alpha chain; GNAZ; GNAZ_HUMAN; Guanine nucleotide-binding protein Gz; subunit alpha; Gz-alpha
Species:	Human
Source:	E. coli
Accession:	P19086 (G2-C355)
Gene ID:	2781
Molecular Weight:	Approximately 56.8 kDa

PROPERTIES

AA Sequence	<pre> G C R Q S S E E K E A A R R S R R I D R H L R S E S Q R Q R R E I K L L L L G T S N S G K S T I V K Q M K I I H S G G F N L E A C K E Y K P L I I Y N A I D S L T R I I R A L A A L R I D F H N P D R A Y D A V Q L F A L T G P A E S K G E I T P E L L G V M R R L W A D P G A Q A C F S R S S E Y H L E D N A A Y Y L N D L E R I A A A D Y I P T V E D I L R S R D M T T G I V E N K F T F K E L T F K M V D V G G Q R S E R K K W I H C F E G V T A I I F C V E L S G Y D L K L Y E D N Q T S R M A E S L R L F D S I C N N N W F I N T S L I L F L N K K D L L A E K I R R I P L T I C F P E Y K G Q N T Y E E A A V Y I Q R Q F E D L N R N K E T K E I Y S H F T C A T D T S N I Q F V F D A V T D V I I Q N N L K Y I G L C </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm solution of Tris-based buffer, 50% Glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	GNAZ, a member of guanine nucleotide-binding proteins (G proteins), functions as a critical modulator or transducer in diverse transmembrane signaling systems. Comprising three units—alpha, beta, and gamma—G proteins play a pivotal role in transmitting signals across cell membranes. The alpha chain of GNAZ harbors the guanine nucleotide binding site, essential for its regulatory activities. Additionally, GNAZ interacts with ADGRB2, suggesting its involvement in specific
-------------------	--

signaling pathways and cellular processes.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA