

Recombinant Human GNAS protein, His-tagged

Cat. No. GNAS-3643H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNAS protein(230-394 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	230-394 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	ERRKWIQCFNDVTAIIFVASSSYNMVIREDNQTNRLQEALNLFKSIWNNRWLRTISV ILFLNKQDLLAEKVLGKSKIETYFPEFARYTTPEDATPEPGEDPRVTRAKYFIRDEFL RISTASGDGRHYCYPHFTCAVDTENIRRVFNDCRDIIQRMHLRQYELL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

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Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name GNAS GNAS complex locus [Homo sapiens]

Official Symbol GNAS

Synonyms GNAS; GNAS complex locus; GNAS1, guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1; protein ALEX; GNASXL; GPSA; NESP; NESP55; SCG6; secretogranin VI; extra large alphas protein; neuroendocrine secretory protein; guanine nucleotide regulatory protein; alternative gene product encoded by XL-exon; adenylate cyclase-stimulating G alpha protein; guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas; guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1; AHO; GSA; GSP; POH; GNAS1; PHP1A; PHP1B; PHP1C; C20orf45; MGC33735;

Gene ID 2778

mRNA Refseq NM_000516

Protein Refseq NP_000507

UniProt ID O95467

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