

## Guanine nucleotide-binding protein G(s) subunit alpha isoforms short Recombinant Protein | GNAS recombinant protein

Recombinant Human Guanine nucleotide-binding protein G(s) subunit alpha isoforms short

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA115630</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

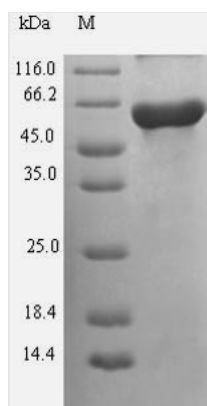
### PRODUCT SYNONYMS

Guanine nucleotide-binding protein G(s) subunit alpha isoforms short; Recombinant Human Guanine nucleotide-binding protein G(s) subunit alpha isoforms short; Adenylate cyclase-stimulating G alpha protein; GNAS recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                  |
| Sequence Positions      | 1-394aa; Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence                | MGCLGNSKTE DQRNEEKAQR EANKKIEKQL QKDKQVYRAT HRLLLLGAGE SGKSTIVKQM RILHVNGFNG<br>EGGEEDPQAA RSNSDGEKAT KVQDIKNNLK EAIETIVAAM SNLVPPVELA NPENQFRVDY ILSVMNVPDF<br>DFPPEFYEHA KALWEDEGVR ACYERSNEYQ LIDCAQYFLD KIDVIKQADY VPSDQDLLRC RVLTSIGFET<br>KFQVDKVNFB MFDVGGQRDE RRKWIQCFND VTAIIFVVAS SSYNNMVIREN NQTNRLQEAL NLFKSIWNNR<br>WLRTISVILF LNKQDLLAEK VLAGKSKIED YFPEFARYTT PEDATPEPGE DPRVTRAKYF IRDEFRLIST<br>ASGDGRHYCY PHFTCAVDTE NIRRVFNDRC DIIQRMHLRQ YELL |
| Sequence Length         | 394                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Species                 | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                                                                                                            |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GNAS recombinant protein | Guanine nucleotide-binding proteins (G proteins) function as transducers in numerous signaling pathways controlled by G protein-coupled receptors (GPCRs). Signaling involves the activation of adenylyl cyclases, resulting in increased levels of the signaling molecule cAMP. GNAS functions downstream of several GPCRs, including beta-adrenergic receptors. Stimulates the Ras signaling pathway via RAPGEF2. |
| Product Categories/Family for GNAS recombinant protein   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                 |
| References                                               | "Identification by molecular cloning of two forms of the alpha-subunit of the human liver stimulatory (GS) regulatory component of adenylyl cyclase." Mattera R., Codina J., Crozat A., Kidd V., Woo S.L.C., Birnbaumer L. FEBS Lett. 206:36-42(1986)                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 4504047                                                              |
| NCBI GeneID                      | 2778                                                                 |
| NCBI Accession #                 | NP_000507.1                                                          |
| NCBI GenBank Nucleotide #        | NM_000516.5                                                          |
| UniProt Accession #              | P63092; O95467; P84996; Q5JWF2                                       |
| Molecular Weight                 | 61.7 kDa                                                             |
| NCBI Official Full Name          | protein GNAS isoform GNASL                                           |
| NCBI Official Synonym Full Names | GNAS complex locus                                                   |
| NCBI Official Symbol             | GNAS                                                                 |
| NCBI Official Synonym Symbols    | AHO; GSA; GSP; POH; GPSA; NESP; SCG6; SgVI; GNAS1; C20orf45          |
| NCBI Protein Information         | protein ALEX; protein GNAS; protein SCG6 (secretogranin VI)          |
| UniProt Protein Name             | Guanine nucleotide-binding protein G(s) subunit alpha isoforms short |
| UniProt Gene Name                | GNAS                                                                 |
| UniProt Synonym Gene Names       | GNAS1; GSP                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/gnas-recombinant-protein-e-coli/115630>