

GNAS recombinant protein

GNAS, Active

CATALOG # AAA73585	HOST E Coli	APPLICATIONS ELISA
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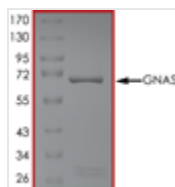
PRODUCT SYNONYMS

GNAS; Active; AHO; C20orf45; GNAS1; GPSA; GSA; GSP; NESP; POH; SCG6; SgVI; GNAS recombinant protein

PRODUCT SPECIFICATIONS

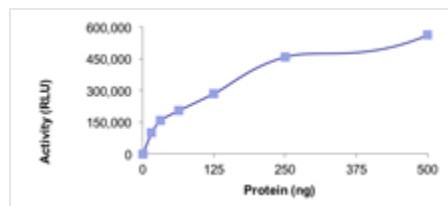
Host	E Coli
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for GNAS recombinant protein	ELISA
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for GNAS recombinant protein	Full-length recombinant human GNAS was expressed in E Coli cells using an N-terminal GST tag. The gene of GNAS accession number is NM_000516. Guanine nucleotide-binding proteins (G proteins) are heterotrimeric signal-transducing molecules consisting of alpha, beta, and gamma subunits, and function as transducers downstream of G protein-coupled receptors (GPCRs) in numerous signaling cascades. The alpha subunit binds guanine nucleotide, can hydrolyze GTP, and can interact with other proteins. Guanine nucleotide-binding protein G(s) subunit alpha isoforms short (GNAS) functions downstream of several GPCRs, including beta-adrenergic receptors. Stimulates the Ras signaling pathway via RAPGEF2.
Product Categories/Family for GNAS recombinant protein	GTPases & ATPases; Cancer

References

1. Thiele S, et al: Functional characterization of GNAS mutations found in patients with pseudohypoparathyroidism type 1c defines a new subgroup of pseudohypoparathyroidism affecting selectively Gsalpha-receptor interaction. Hum Mutat. 2011 Jun;32(6):653-60.
2. Pak Y, et al: Direct binding of the beta1 adrenergic receptor to the cyclic AMP-dependent guanine nucleotide exchange factor CNrasGEF leads to Ras activation. Mol Cell Biol. 2002 Nov;22(22):7942-52.
3. <http://www.uniprot.org/uniprot/P63092>

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_000516](#)

Molecular Weight

70kDa

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.

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Online datasheet: <https://stage.aaabiotech.com/gnas-recombinant-protein-e-coli-elisa/73585>