

GNAI3 recombinant protein

GNAI3, Active

CATALOG # AAA73584	HOST E Coli	APPLICATIONS ELISA
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PRODUCT SYNONYMS

GNAI3; Active; 87U6; ARCND1; GNAI3 recombinant protein

PRODUCT SPECIFICATIONS

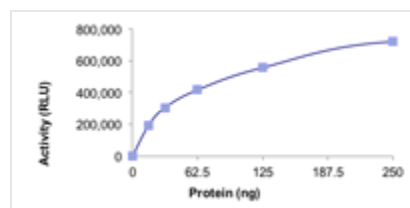
Host	E Coli
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for GNAI3 recombinant protein	ELISA
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional 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 GNAI3 recombinant protein	Recombinant human GNAI3 (2-end) was expressed in E Coli cells using an N-terminal GST tag. The gene of GNAI3 accession number is NM_006496. 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. G protein subunit alpha i3 (GNAI3) stimulates the activity of receptor-regulated K⁺ channels. The active GTP-bound form prevents the association of RGS14 with centrosomes and is required for the translocation of RGS14 from the cytoplasm to the plasma membrane. May play a role in cell division.
Product Categories/Family for GNAI3 recombinant protein	GTPases & ATPases; AKT/PKB Pathway; Cancer; Inflammation; Invasion/Metastasis; Metabolic Disorder

References

1. Mattera R, et al: Recombinant alpha i-3 subunit of G protein activates Gk-gated K+ channels. J Biol Chem. 1989 Jan 5;264(1):465-71.
2. Cho H, et al: Localization of Gi alpha proteins in the centrosomes and at the midbody: implication for their role in cell division. J Cell Biol. 2007 Jul 16;178(2):245-55.
3. <http://www.uniprot.org/uniprot/P08754>

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_006496](#)

Molecular Weight

65kDa

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/gnai3-recombinant-protein-e-coli-elisa/73584>