

Recombinant Human GNAI2 protein, His-tagged

Cat. No. GNAI2-7152H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNAI2 protein(1-355 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-355 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.
AASequence	MGCTVSAEDKAAAERSKMIDKNLREDGEKAAREVKLLLLGAGESGKSTIVKQMKIIH EDGYSEEECRQYRAVVYSNTIQSIMAIVKAMGNLQIDFADPSRADDARQLFALSCTA EEQGVLPDDLSGVIRRLWADHGVQACFGRSREYQLNDSAAYYLNDLERIAQSDYIP TQQDVLRTVRKTTGIVETHFTFKDLHFKMFVGGQRSEKWKWICFEGVTAIIFCVAL SAYDLVLAEDEEMNRMHESMKLFDSICNNKWFTDTSIILFLNKKDLFEKITHSPLTIC FPEYTGANKYDEAASYIQSKFEDLNKRKDTKEIYTHFTCATDTKNVQFVFDVAVTDVVIK NNLKDCGLF
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name

GNAI2 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2 [Homo sapiens]

Official Symbol

GNAI2

Synonyms

GNAI2; guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2; GNAI2B; guanine nucleotide-binding protein G(i) subunit alpha-2; GIP; GTP binding regulatory protein Gi alpha 2 chain; adenylate cyclase-inhibiting G alpha protein; GTP-binding regulatory protein Gi alpha-2 chain; guanine nucleotide-binding protein G(i), alpha-2 subunit; H_LUCA15.1; H_LUCA16.1;

Gene ID

2771

mRNA Refseq

NM_001166425

Protein Refseq

NP_001159897

MIM

139360

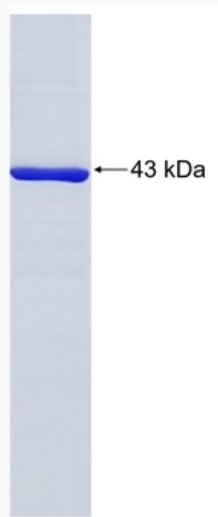
UniProt ID

P04899

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SDS-PAGE

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