

Recombinant Mouse Gnai2 Protein, Myc/DDK-tagged

Cat. No. Gnai2-3255M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length guanine nucleotide binding protein (G protein), alpha inhibiting 2 (Gnai2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(i) proteins are involved in hormonal regulation of adenylate cyclase: they inhibit the cyclase in response to beta-adrenergic stimuli. May play a role in cell division.
Molecular Mass	40.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Gnai2 guanine nucleotide binding protein (G protein), alpha inhibiting 2 [Mus musculus (house mouse)]
Official Symbol	Gnai2
Synonyms	Gnai2; guanine nucleotide binding protein (G protein), alpha inhibiting 2; G; Gal; Gia; Gna; C76432; Gnai-2; Galphai2; guanine nucleotide-binding protein G(i) subunit alpha-2; adenylate cyclase-inhibiting G alpha protein
Gene ID	14678
mRNA Refseq	NM_008138
Protein Refseq	NP_032164
UniProt ID	P08752

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