

## Recombinant Mouse Gnai2 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	40.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	Gnai2 guanine nucleotide binding protein (G protein), alpha inhibiting 2 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Gnai2
<b>Synonyms</b>	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
<b>Gene ID</b>	14678
<b>mRNA Refseq</b>	NM_008138
<b>Protein Refseq</b>	NP_032164
<b>UniProt ID</b>	P08752

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