

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

Cat. No. Gnaq-3258M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length guanine nucleotide binding protein, alpha q polypeptide (Gnaq), 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. Regulates B-cell selection and survival and is required to prevent B-cell-dependent autoimmunity. Regulates chemotaxis of BM-derived neutrophils and dendritic cells (in vitro). Transduces FFAR4 signaling in response to long-chain fatty acids (LCFAs).
<b>Molecular Mass</b>	42 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

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Gnaq guanine nucleotide binding protein, alpha q polypeptide [ Mus musculus (house mouse) ]

**Official Symbol** Gnaq

**Synonyms** GNAQ; guanine nucleotide binding protein, alpha q polypeptide; guanine nucleotide-binding protein G(q) subunit alpha; G alpha q; guanine nucleotide-binding protein alpha-q; Gq; Gql; Dsk1; Dsk10; Galphaq; AA408290; AW060788; 1110005L02Rik; 6230401I02Rik

**Gene ID** 14682

**mRNA Refseq** NM\_008139

**Protein Refseq** NP\_032165

**UniProt ID** P21279

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