

Recombinant Mouse Gnaq Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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).
Molecular Mass	42 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

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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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