Recombinant Human GNAQ Protein, Myc/DDK-tagged

Cat. No. GNAQ-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human guanine nucleotide binding protein (G protein), q polypeptide (GNAQ) with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	1-359 aa
Description	This locus encodes a guanine nucleotide-binding protein. The encoded protein, an alpha subunit in the Gq class, couples a seven-transmembrane domain receptor to activation of phospolipase C-beta. Mutations at this locus have been associated with problems in platelet activation and aggregation. A related pseudogene exists on chromosome 2.
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.
Concentration	>50 μg/mL as determined by microplate BCA method.

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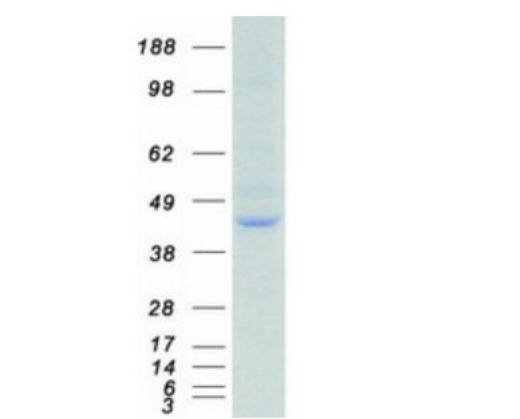
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name	GNAQ G protein subunit alpha q [Homo sapiens (human)]
Official Symbol	GNAQ
Synonyms	GNAQ; G protein subunit alpha q; GAQ; SWS; CMC1; G-ALPHA-q; guanine nucleotide-binding protein G(q) subunit alpha; epididymis secretory sperm binding protein; guanine nucleotide binding protein (G protein), q polypeptide; guanine nucleotide-binding protein alpha-q
Gene ID	2776
mRNA Refseq	NM_002072
Protein Refseq	NP_002063
MIM	600998
UniProt ID	P50148

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SDS-PAGE



Coomassie blue staining of purified GNAQ protein. The protein was produced from HEK293T cells transfected with GNAQ cDNA clone using MegaTran 2.0.

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