

Recombinant Human GNAQ Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GNAQ-5831H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GNAQ MS Standard C13 and N15-labeled recombinant protein (NP_002063) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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 phospholipase 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	42.1 kDa
AA Sequence	MTLESIMACCLSEEAKEARRINDEIERQLRRDKRDARRELKLLLLGTGESGKSTFIKQ MRIIHGSGYSDEDKRGFTKL VYQNI FTAMQAMIRAMDTLKIPYKYEHNKAHAQLVRE VDVEKVS AFENPYVDAIKSLWNDPGIQECYDRRREYQLSDSTKYLYLNDLDRVADPA YLPTQQDVL RVRVPTTGII EYPFDLQSVIFRMVDVGGQRSERRKWIHCFENVTSIMFL VALSEYDQVLVESDNENRMEESKALFRTIITYPWFQNSSVILFLNKKDLL EEKIMYSHL VDYFPEYDGPQRDAQAAREFILKMFVDLNPDSDKIYSHFTCATDTENIRFVFAAVKD TILQLNLKEYNLVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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SDS-PAGE

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