

# 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  
 MRIIHGSGYSDEDKRGFTKLVYQNIPTAMQAMIRAMDTLKIPYKYEHKAKAHLVRE  
 VDVEKVSAPENPYVDAIKSLWNDPGIQECYDRRREYQLSDSTKYLLNDLDRVADPA  
 YLPTQQDVLVRVPTTGIIEYDFDLQSVIFRMVDVGGQRSERRKWIHCFENVTSIMFL  
 VALSEYDQVLVESDNENRMEESKALFRTIITYPWFQNSSVILFLNKKDLLEEKIMYSHL  
 VDYFPEYDGPQRDAQAAREFILKMFVDLNPDSDKIYSHFTCATDTENIRFVFAAVKD  
 TILQLNLKEYNLVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

## GENE INFORMATION

<b>Gene Name</b>	GNAQ G protein subunit alpha q [ Homo sapiens (human) ]
<b>Official Symbol</b>	GNAQ
<b>Synonyms</b>	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;
<b>Gene ID</b>	2776
<b>mRNA Refseq</b>	NM_002072
<b>Protein Refseq</b>	NP_002063
<b>MIM</b>	600998
<b>UniProt ID</b>	P50148

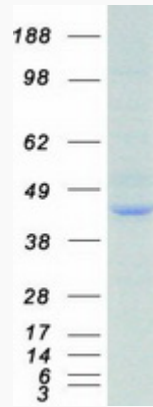
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SDS-PAGE



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