

Recombinant Human GNA11 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GNA11-3785H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GNA11 MS Standard C13 and N15-labeled recombinant protein (NP_002058) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene belongs to the family of guanine nucleotide-binding proteins (G proteins), which function as modulators or transducers in various transmembrane signaling systems. G proteins are composed of 3 units: alpha, beta and gamma. This gene encodes one of the alpha subunits (subunit alpha-11). Mutations in this gene have been associated with hypocalciuric hypercalcemia type II (HHC2) and hypocalcemia dominant 2 (HYPOC2). Patients with HHC2 and HYPOC2 exhibit decreased or increased sensitivity, respectively, to changes in extracellular calcium concentrations.
Molecular Mass	42.1 kDa
AA Sequence	MTLESMMACCLSDEVKESKRINAEIEKQLRRDKRDARRELKLLLLGTGESGKSTFIK QMRIIHGAGYSEEDKRGFTKL VYQNIFTAMQAMIRAMETLKILYKYEQNKANALLIRE VDVEKVTTFEHQYVSAIKTLWEDPGIQECYDRRREYQLSDSAKYYLTDVDRIATLGY LPTQQDVLVRVPPTTGII EYPFDLENIIFRMVDVGGQSRERRKWIHCFENVTSIMFLV ALSEYDQVLVESDNENRMEESKALFRTIITYPWFQNSSVILFLNKKDLLEDKILYSHLV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DYFPEFDGPQRDAQAAREFILKMFVDLNPDSKIIYSHFTCATDTENIRFVFAAVKDTI
LQLNLKEYNLVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 GNA11 G protein subunit alpha 11 [Homo sapiens (human)]

Official Symbol GNA11

Synonyms guanine nucleotide binding protein (G protein), alpha 11 (Gq class); 4379; Ensembl:ENSG00000088256; guanine nucleotide-binding protein subunit alpha-11;g alpha-11;G-protein subunit alpha-11;guanine nucleotide-binding protein, Gq class, GNA11;guanine nucleotide-binding protein G(y) subunit alpha; GNA-11

Gene ID 2767

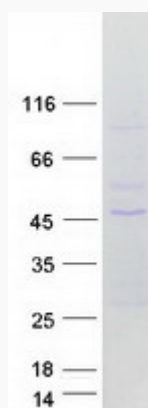
mRNA Refseq NM_002067

Protein Refseq NP_002058

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 139313**UniProt ID** P29992**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA