

Recombinant Full Length Human GNA11 Protein, GST-tagged

Cat. No. GNA11-6939HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length GNA11(1 a.a. - 359 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	359 amino acids
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	68.5 kDa
AA Sequence	MTLESMMACCLSDEVKESKRINAEIEKQLRRDKRDARRELKLLLLGTGESGKSTFIK QMRIIHGAGYSEEDKRGF TKLVYQNIFTAMQAMIRAMETLKILYKYEQNKANALLIRE VDVEKVTTTFEHQYVSAIKTLWEDPGIQECYDRRRE YQLSDSAKYLLTDVDRIATLGY LPTQQDVLRLVRVPTTGIIIEYFPDLENIIFRMVDVGGQRSERRKWIHCFENVTS IMFLV ALSEYDQVLVESDNENRMEESKALFRTIITYPWFQNSSVILFLNKKDLLEDKILYSHLV

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DYFPEFDGPQR DAQAAREFILKMFVDLNPDSDKIIYSHFTCATDTENIRFVFAAVKDT
ILQLNLKEYNLV

Applications ELISA; WB-Re; AP; Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name GNA11 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) [Homo sapiens (human)]

Official Symbol GNA11

Synonyms GNA11; FBH; FBH2; FHH2; HHC2; GNA-11; HYPOC2; guanine nucleotide binding protein (G protein), alpha 11 (Gq class); guanine nucleotide-binding protein subunit alpha-11; g alpha-11; G-protein subunit alpha-11; guanine nucleotide-binding protein G(y) subunit alpha

Gene ID 2767

mRNA Refseq NM_002067

Protein Refseq NP_002058

MIM 139313

UniProt ID P29992

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