Recombinant Human GNA11, His-tagged

Cat. No. GNA11-13342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNA11 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-170a.a.
Description	This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Alternatively spliced transcript variants encoding the same isoform have been described.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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

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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_002067.2
Protein Refseq	NP_002058.2
MIM	139313
UniProt ID	P29992
Chromosome Location	19p13.3
Pathway	ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Arf6 signaling events, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem;
Function	G-protein beta/gamma-subunit complex binding; G-protein coupled receptor binding; GTP binding; GTPase activity; metal ion binding; signal transducer activity;

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