

Recombinant Human GNA11 protein, GST-tagged

Cat. No. GNA11-186H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNA11 fused with GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	Guanine nucleotide-binding proteins (G proteins) are heterotrimeric signal-transducing molecules consisting of alpha, beta, and gamma subunits, and function as transducers downstream of G protein-coupled receptors (GPCRs) in numerous signaling cascades. The alpha subunit binds guanine nucleotide, can hydrolyze GTP, and can interact with other proteins. Guanine nucleotide-binding protein subunit alpha-11 (GNA11) acts as an activator of phospholipase C. Involved in signaling of gonadotropin-releasing hormone receptor, negatively regulating cell growth. Down-regulation may be involved in human breast cancers.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	66 kDa
Purity	>70%
Applications	Enzyme Assay, Western Blot

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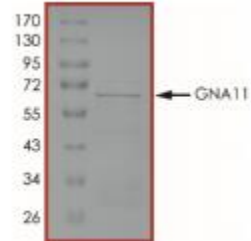
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Stability	1 year at -70 centigrade date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.05µg/µl
GENE INFORMATION	
Gene Name	GNA11 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) [Homo sapiens]
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

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