

Product datasheet for **RC202169**

GNG11 (NM_004126) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GNG11 (NM_004126) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GNG11
Synonyms: GNGT11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202169 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

**ATGCTGCCCTTCACATCGAAGATTTGCCAGAGAAGGAAAACTGAAAATGGAAGTTGAGCAGCTTCGCA
AAGAAGTGAAGTTGCAGAGACAACAAGTGTCTAAATGTTCTGAAGAAATAAAGAAGTATATTGAAGAACG
TTCTGGAGAGGATCCTCTAGTAAAGGAATTCAGAAGACAAGAACCCTTTAAAGAAAAAGGCAGCTGT
GTTATTCA**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >RC202169 protein sequence
Red=Cloning site Green=Tags(s)
MPALHIEDLPEKEKLMKMEVEQLRKEVKLQRQVSKCSEEEKNYIEERSGEDPLVKGIPEDKNPFKEKGSC
VIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6516_f06.zip

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_004126

ORF Size: 219 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_004126.4](#)

RefSeq Size: 964 bp

RefSeq ORF: 222 bp

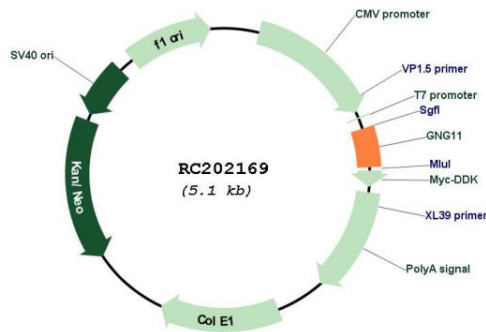
Locus ID: 2791

UniProt ID: [P61952](#)
Cytogenetics: 7q21.3
Domains: G-gamma
Protein Families: Druggable Genome
Protein Pathways: Chemokine signaling pathway

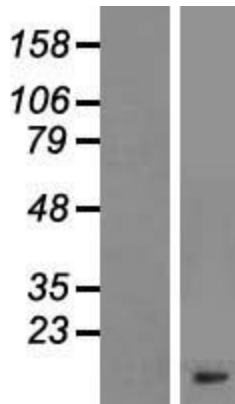
MW: 8.5 kDa

Gene Summary: This gene is a member of the guanine nucleotide-binding protein (G protein) gamma family and encodes a lipid-anchored, cell membrane protein. As a member of the heterotrimeric G protein complex, this protein plays a role in this transmembrane signaling system. This protein is also subject to carboxyl-terminal processing. Decreased expression of this gene is associated with splenic marginal zone lymphomas. [provided by RefSeq, Jul 2008]

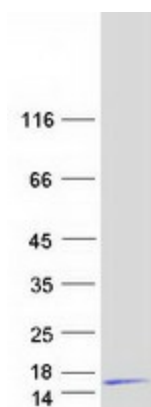
Product images:



Circular map for RC202169



Western blot validation of overexpression lysate (Cat# [LY418201]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202169 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GNG11 protein (Cat# [TP302169]). The protein was produced from HEK293T cells transfected with GNG11 cDNA clone (Cat# RC202169) using MegaTran 2.0 (Cat# [TT210002]).