

Product datasheet for **RC231538**

GNG2 (NM_001243773) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GNG2 (NM_001243773) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GNG2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231538 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCAACAACACCGCCAGCATAGCACAAGCCAGGAAGCTGGTAGAGCAGCTTAAGATGGAAGCCA
ATATCGACAGGATAAAGGTGTCCAAGGCAGCTGCAGATTTGATGGCCTACTGTGAAGCACATGCCAAGGA
AGACCCCTCTGACCCCTGTTCCGGCTTCAGAAAACCCGTTTAGGGAGAAGAAGTTTTTCTGTGCCATC
CTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231538 protein sequence
Red=Cloning site Green=Tags(s)

MASNNTASIAQARKLVEQLKMEANIDRIKVSAAAADLMAYCEAHAKEDPLLTPVPAENPFREKKFFCAI
L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6126_c03.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001243773

ORF Size: 213 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.

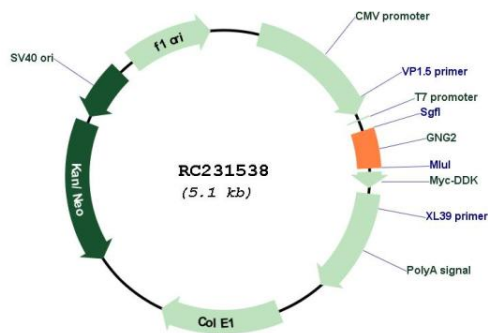
RefSeq: [NM_001243773.2](#)

RefSeq Size: 3899 bp

RefSeq ORF: 216 bp

Locus ID: 54331
UniProt ID: [P59768](#)
Cytogenetics: 14q22.1
Protein Families: Druggable Genome
Protein Pathways: Chemokine signaling pathway
MW: 7.9 kDa
Gene Summary: This gene encodes one of the gamma subunits of a guanine nucleotide-binding protein. Such proteins are involved in signaling mechanisms across membranes. Various subunits forms heterodimers which then interact with the different signal molecules. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC231538