

Product datasheet for MR200057

Gng13 (NM_022422) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Gng13 (NM_022422) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Gng13

Synonyms: 1500031D04Rik; AB030194; Ggamma13

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR200057 representing NM_022422

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGAGGAGTGGGATGTGCCCCAGATGAAGAAGGAGGTAGAGAGCCTCAAGTACCAACTGGCCTTCAAGAGGGAGATGTCGTCCAAGACCATCCCCGAGCTTCTCAAGTTGGATTGAGGATGGAATCCCCAAGGACCCCTT

CCTGAACCCAGACCTGATGAAGAACAACCCTTGGGTAGAGAAGGCCAAGTGCACCATCCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/mm9051 a04.zip

Restriction Sites: Sgfl-Mlul

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

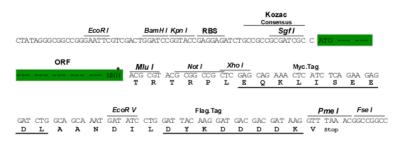
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_022422

ORF Size: 201 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: <u>NM 022422.5</u>, <u>NP 071867.1</u>

 RefSeq Size:
 438 bp

 RefSeq ORF:
 204 bp

 Locus ID:
 64337

 UniProt ID:
 Q9JMF3

 Cytogenetics:
 17 A3.3

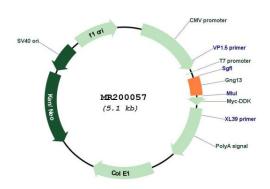
 MW:
 8.4 kDa

Gene Summary: Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer

in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.

[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200057