

## Product datasheet for **MR200085**

### Gng11 (NM\_025331) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gng11 (NM\_025331) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gng11  
**Synonyms:** 0610037B21Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200085 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGCCCTTCACATCGAGGATCTGCCGAAAAGGAAAACTGAAGATGGAGTTGAGCAACTTCGCA  
 AAGAAGTCAAGTTCAGAGACAACAGGTATCTAAATGTTCTGAGGAAATAAAGAACTACATTGAAGAACG  
 TTCTGGAGAGGATCCTCTGGTAAAGGGAATCCCAGAAGACAAGAATCCCTCAAAGAAAAGGCAGCTGT  
 GTCATTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200085 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MPALHIEDLPEKEKLMKMEVEQLRKEVKLQRQVSKCSEEEKNYIEERSGEDPLVKGIPEDKNPFKEKGSC  
 VIS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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## Cloning Scheme:



ACCN: NM\_025331

ORF Size: 222 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 10µg 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\\_025331.2](#), [NP\\_079607.1](#)

RefSeq Size: 849 bp

RefSeq ORF: 222 bp

Locus ID: 66066

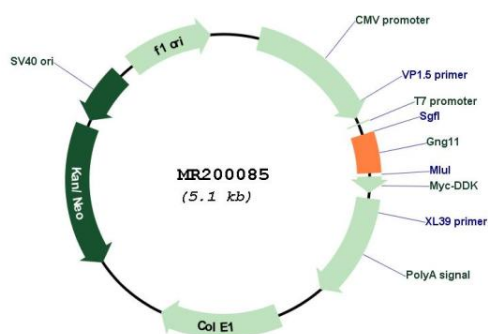
UniProt ID: [P61953](#)

Cytogenetics: 6 A1

MW: 8.5 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 (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR200085