

## Product datasheet for MC207291

### Gng5 (NM\_010318) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gng5 (NM_010318) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gng5
Synonyms:	G(y)5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207291 representing NM_010318 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGTCGGGTTCTTCTAGCGTCGCCGCCATGAAGAAGGTGGTCCAGCAGCTCCGGCTGGAGGCCGGGCTCA  
ACCGCGTGAAGTTTCCAGGCAGCTGCAGACTTGAAACAGTTCTGTCTGCAGAAATGCTCAACATGACCC  
TCTGCTGACTGGAGTGTCTTCAAGTACGAATCCCTTCAGACCCAGAAAGTCTGCTCCTTTT**GTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_010318
Insert Size:	207 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).


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**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_010318.2](#), [NP\\_034448.2](#)

**RefSeq Size:** 535 bp

**RefSeq ORF:** 207 bp

**Locus ID:** 14707

**UniProt ID:** [Q80SZ7](#)

**Cytogenetics:** 3 H2

**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]