

Product datasheet for **RN215724**

Gng2 (NM_001257349) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gng2 (NM_001257349) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gng2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215724 representing NM_001257349 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCAACAACACCGCCAGCATAGCGCAAGCCAGGAACTGGTCGAGCAGCTGAAGATGGAAGCCA
GCATCGACAGGATAAAGGTGTCCAAGGCAGCTGCAGACTTGATGGCCTACTGTGAGGCACATGCCAAGGA
AGATCCCCTGCTGACCCAGTCCCGGCTCAGAAAATCCCTTTCGGGAGAAGAAGTTCTTCTGCGCCATC
CTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001257349
Insert Size:	216 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.

RefSeq: [NM_001257349.1](#), [NP_001244278.1](#)

RefSeq Size: 3664 bp

RefSeq ORF: 216 bp

Locus ID: 80850

Cytogenetics: 15p16

Gene Summary: gamma 2 subunit of heterotrimeric G-proteins, which exchange GDP for GTP and activate downstream effectors [RGD, Feb 2006]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.