

Product datasheet for **MC208572**

Gng4 (NM_010317) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gng4 (NM_010317) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gng4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC208572 representing NM_010317
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGAAGGCATGTCTAATAACAGCACCACCAGCATCTCCAGGCCAGGAAAGCCGTGGAGCAGCTGA
AGATGGAAGCCTGCATGGACAGGGTGAAGGTCTCCAGGCTGCCTCAGACCTCCTGGCCTACTGTGAAGC
CCACGTGCGGGAGGACCCCTCATCATCCAGTGCCTGCCTCAGAAAACCCCTCCGGGAGAAGAAGTTC
TTCTGCACCATCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010317

Insert Size: 228 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.

RefSeq: [NM_010317.3](#), [NP_034447.1](#)

RefSeq Size: 3200 bp

RefSeq ORF: 228 bp

Locus ID: 14706

UniProt ID: [P50153](#)

Cytogenetics: 13 5.29 cM

Gene Summary: This gene encodes the gamma subunit of the heterotrimeric G-proteins that are comprised of alpha, beta and gamma subunits. Upon activation by G protein-coupled receptors, the beta-gamma heterodimer dissociates from the alpha subunit to activate downstream signaling events. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Transcript Variant: This variant (1) represents the longer transcript. 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.