

## Product datasheet for **MC201558**

### Gngt1 (NM\_010314) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gngt1 (NM\_010314) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gngt1  
**Synonyms:** G(y)1; Gng1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC025929 sequence for NM\_010314  
GTTAAAAACCCAGAAGTTCAGACCGCAAAGCCCAGAAGAAAGGAAGGGCGTACTACTTTATATTACAT  
GCTACTAAACAGTCCCCTCCCCTCAACTCTTCTGGCAGGTGTTGGAAGAGAAATGCTTAGTTCAATCATA  
TTAGGGGGGATTATGAAGAAGCTTTAAATCCTAAGCCTGGTATGCAGTGTGAGCAGTGTTCAGAGAGCT  
TGTTTCATGAGAGCTGGTTATCATAGACAATTTGAAAGAAACCCAAAAACAGCTTCCCTGACAGAAGATG  
CCAGTGATCAACATCGAAGACCTGACAGAAAAGGACAAGTTGAAGATGGAGGTAGACCAGCTTAAGAAGG  
AAGTGACACTGGAGAGAATGATGGTTTCCAAATGTTGTGAAGAAGTGAGAGATTATTTGAAGAAAGGTC  
TGGAGAAGACCCTCTAGTGAAGGGGATTCCAGAAGACAAAACCCCTCAAGGAACCTCAAAGGAGGCTGT  
GTGATTTTCATAGGCGGGAAGGCATTTTCTTAGAATATTTAGAATTTTAATGATAATGCAAACCTGTTCTCC  
TATATAATTAACCTGTGTATGTTGTTAAATTATTAATTTTAATAAAAAATAAGATGTAATAATATGTA AAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_010314

**Insert Size:** 225 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:** [BC025929](#), [AAH25929](#)

**RefSeq Size:** 644 bp

**RefSeq ORF:** 225 bp

**Locus ID:** 14699

**UniProt ID:** [Q61012](#)

**Cytogenetics:** 6 A1

**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]