

Product datasheet for **MC225509**

Gngt2 (NM_023121) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gngt2 (NM_023121) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gngt2
Synonyms: AV096488
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225509 representing NM_023121
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCAGGACCTCAGTGAGAAGGAGCTGTTGAGGATGGAGGTGGAGCAGCTGAAGAAGGAAGTGAAGA
ACCCACGTGATCTGATTTCCAAGACAGGAAAGGAAATCAAGGATTATGTAGAGGCCCAAGCAGGGACAGA
CCCTCTTCTCAAAGGCATCCCAGAAGACAAGAATCCCTTCAAGGAGAAAGGCACCTGTGTGCTAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_023121

Insert Size: 210 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_023121.2](#), [NP_075610.1](#)

RefSeq Size: 571 bp

RefSeq ORF: 210 bp

Locus ID: 14710

UniProt ID: [Q61017](#)

Cytogenetics: 11 59.01 cM

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]
Transcript Variant: This variant (1) lacks an internal segment in the 5' UTR, compared to variant 3. Variants 1, 2, 3 and 4 encode the same protein.