

Product datasheet for **MG200094**

Gngt1 (NM_010314) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gngt1 (NM_010314) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gngt1
Synonyms: G(y)1; Gng1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200094 representing NM_010314
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGTGATCAACATCGAAGACCTGACAGAAAAGACAAGTTGAAGATGGAGGTAGACCAGCTTAAGA
AGGAAGTGACTGGAGAGAATGATGGTTTCAAATGTTGTGAAGAAGTGAGAGATTATTTGAAGAAAG
GTCTGGAGAAGACCTCTAGTGAAGGGATTCCAGAAGACAAAACCCCTCAAGGAACCAAGGAGGC
TGTGTGATTTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200094 representing NM_010314
Red=Cloning site Green=Tags(s)
MPVINIEDLTEKDKLKMEVDQLKKEVTLERMMVSKCCEEVRDYIEERSGEDPLVKGIPEDKNPFKELKGG
CVIS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
Reconstitution Method:	<ol style="list-style-type: none">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_010314.3
RefSeq Size:	965 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]