

Product datasheet for **MG218480**

Gng8 (NM_010320) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gng8 (NM_010320) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gng8
Synonyms: G(y)8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218480 representing NM_010320
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCAACAACATGGCCAAGATTGCTGAGGCCCGCAAGACCGTGGAGCAGCTGAAGCTGGAAGTGAACA
 TCGATCGCATGAAGGTGTCGCAGGCAGCAGCCGAGCTTTGGCTTCTGCGAAACGCACGCTAAGGATGA
 CCCACTGGTGACTCCTGTCCCTGCCGCCGAGAATCCCTTCGCGACAAGCGACTCTTTGCACCCTGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218480 representing NM_010320
 Red=Cloning site Green=Tags(s)

MSNNMAKIAEARKTVEQLKLEVNIDRMKVSQAAAELLAFCEHAKDDPLVTPVPAENPFRDKRLFCTLL

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1568_e01.zip

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


- ACCN:** NM_010320
- ORF Size:** 210 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
- 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:**
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_010320.3](#), [NP_034450.1](#)
- RefSeq Size:** 920 bp

RefSeq ORF: 213 bp

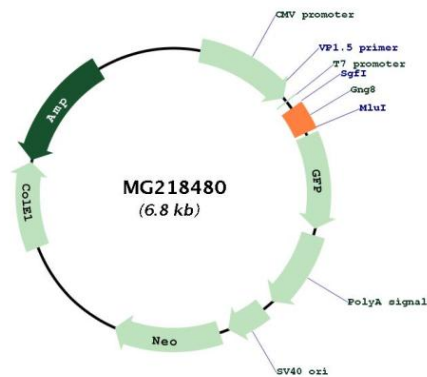
Locus ID: 14709

UniProt ID: [P63078](#)

Cytogenetics: 7 9.15 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. This subunit may have a very specific role in the development and turnover of olfactory and vomeronasal neurons.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG218480