

# **Product datasheet for MG219701**

## Gng12 (NM 001177560) Mouse Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Gng12 (NM\_001177560) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Gng12

**Synonyms:** 2010305F15Rik; AA536815; AI115529; AI314170; AI842738

Mammalian Cell

Selection:

Neomycin

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG219701 representing NM\_001177560 Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCCAGCAAGACGGCAAGCACCAACAGCATAGCCCAAGCCAGGAGAACTGTGCAGCAGCTGAGATTGGAAGCCTCCATCGAAAAGAATAAAGGTCTCAAAAAGCATCAGCAGACCTGATGTCATACTGTGAGGAGCATGCCCGGAGCGACCCCCTGCTGATGGGCATACCGACCTCAGAAAAACCCGTTCAAGGATAAGAAGACCTGCATC

**ATCTTA** 

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG219701 representing NM\_001177560

Red=Cloning site Green=Tags(s)

MSSKTASTNSIAQARRTVQQLRLEASIERIKVSKASADLMSYCEEHARSDPLLMGIPTSENPFKDKKTCI

ΙL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



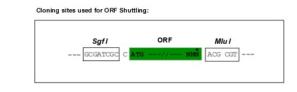
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

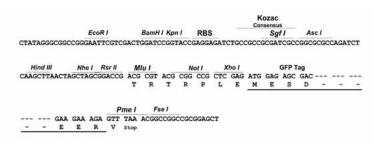
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

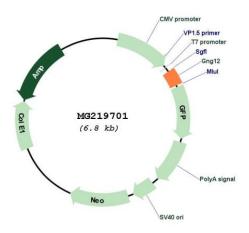


#### **Cloning Scheme:**





#### Plasmid Map:



**ACCN:** NM\_001177560

ORF Size: 216 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



### **Gng12 (NM\_001177560) Mouse Tagged ORF Clone - MG219701**

**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: <u>NM 001177560.1</u>, <u>NP 001171031.1</u>

 RefSeq Size:
 4264 bp

 RefSeq ORF:
 219 bp

 Locus ID:
 14701

 UniProt ID:
 Q9DAS9

 Cytogenetics:
 6 30.68 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]