

Product datasheet for **MG212567**

Gm13057 (NM_001113735) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Gm13057 (NM_001113735) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Gm13057 |
| Synonyms: | OTTMUSG00000010207 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MG212567 representing NM_001113735
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGATTTCTGATCAGGTCTATTCATTGTACAGATTTCATCAGGATGAGCTTCCAGGCTCCACCCACAC
 TCCTGAGCTTGGCAGTACAGAGCCTGGCGAAGAATGAAGCCTTGCCATCAATGCCTGCAGGAAGTCC
 CAGGGAGTTGTTCCACCACTCTTCAAGGCAGCCTTCACTGGCAGACACCGAAGATACTGAAGAAATG
 GTGGGAGCTGGCCTTTACCTTGCCTCCCTGTGGGGCACTGATGAACGTCCTGACATGACAATATTGC
 AAGCTGTGCTGGATGGTGTAGACATGCAGCTGACAGGAAATTTTACCCAAGAAAGAGGAAGCTTCAAGT
 GCTGGACCTGAGAAATGTCACCATCACTTCTGGGATGTTTCAGCTGGACCAGAGGATGGAGACGGCTCA
 GCAGAGACAGTGTGTCAAAGCAGAAAGCAACACGCCCTCATAGTTATGCACTGAGGCGACGTTTAAAGG
 TGGTCACTGACCTTTCCTTTCAGTTTATCTAGAGGAACATCAAACCTACTTCTTGCAGTGGGCACAGGA
 GAGAAGAGGTTCCCTGAACCTGTGCTGTGTAAGATGCAAATTAGGGAATTGCCTTTCACACTGTCAGG
 AAGATCTTGCAGATTTTCCAACCATATTGCATTGAGGAGTTGGAATTGCATATAGACTGGACTCTGTCCA
 CACTGGCAAGCTTTCACCTTGCCTTGGTCAGATCAAGAATCTTCGTAACCTCCATCTAACACTAGTCCA
 CGAAGAACTCTTCACTTTTCTATGTACATCAACAGACATAAAGGAGAAGAGTGTACCAAGTTTCACTTCT
 CAGTTCTCCAACTCAACAGTCTCCAGCATCTCGACCTGGCTGGCCTCTACTTTCTCACTGGCCACATGA
 ATGAATTGCTCGTGTGTCTGAAGACTCCGCTGGAGTTCCTGTCAATTGCTCTCTGCAAGTACTCACAGTC
 AGACATGGAGTCCCTTGGCCAGTGTGAGTCTCCATCATCTCAAACATCTGCATTTGGCAGGTGTCATT
 TTGCATGATCTGAGTCTGTGCCTCTCGGAATTTTCTAGAAAATGTTGCAAACTCTGAAGACCTTGG
 AATTGAAACATTGTAGGATGACAGACTCTCAGGTCAGCGCTTTTATCCCTGCCCTGAATAAGTGTCTCA
 GCTCATCGAGGTCAACTTCTGTGACAATGACATCTCCATGCCTGTCCCTAACGAACCTTTCGATCACACA
 GCCAACCTAAGCCAGCTGATCATGGAGCTTTATCCTGCTCCTCTGGAGTGTATGAAACCGTTTTGTTC
 TTAGACCAGAGAATTGTCCAGCTTCTTCTGAGCTCATGAACATACTTTGCACTGTTAGGCAGCCCCA
 CTCTATCTGTTTTGCCTCTCAGTTATGCCTTATATGTTACAGCGCTGTACATATGGTCTGGAGACCAGA
 CTTTGCCATTGTTGCCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG212567 representing NM_001113735
 Red=Cloning site Green=Tags(s)

MRISDQVYSLYRFIRMSFQAPPTLLSLAVQSLAKNEALAINALQELPRELFPPLFKAFTGRHTKILKEM
 VAWPLPCLPVGALMNVPMITILQAVLDGVDMQLTGNFHPRKRKLQVLDLRNVHHHFWVDSAGPEDGDGS
 AETVCQKQKATRPHSYALRRRLKVVTDLCLQFDLEEHQTYFLQWAQERRGSLNLCCVKMQIRELPLHTVR
 KILQIFQPYCIEELELHIDWTLSTLASFAPCLGQIKNLRKHLTLVHEKLF TFLCTSTDIKEKSVTKFIS
 QFSKLNLSQHLDLAFLYFLTGHMNELLVCLKTPEFLSIALCKYSQSDMESFAQCQSLHHLKHLHLAGVI
 LHDLVPLGIFLENAVNTLKTLELEHCRMTDSQVSAFIPALNKCSQLIEVNFCDNDISMPVLTNLLHHT
 ANLSQLIMELYPAPLECYETGFVLRPERIVQLSSELMNICTVRQPHSICFASQLCLICSQRCTYGLETR
 LCHCCQ

TRTRPLE – GFP Tag – V

Restriction Sites:

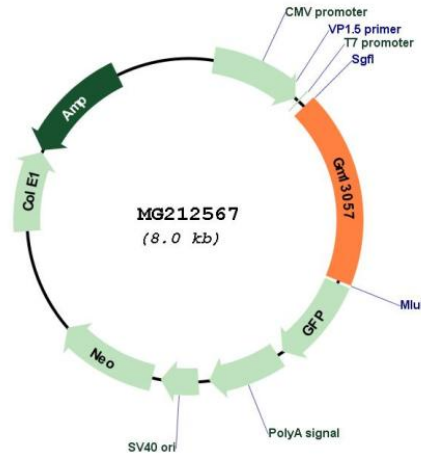
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001113735

ORF Size: 1488 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_001113735.1](#), [NP_001107207.1](#)

RefSeq Size: 2104 bp

RefSeq ORF: 1491 bp

Locus ID: 100040861

Cytogenetics: 4 E1