

Product datasheet for **MG204767**

1110051M20Rik (BC089006) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 1110051M20Rik (BC089006) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 1110051M20Rik
Synonyms: MGC40841, MGC4707
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204767 representing BC089006
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAGTCCCAGCGCCTAGCTCTACCGGACTACGAGTATCTGGCTCAGAGACATGCTCTCACGTACA
TGGAGGATGCAGTGTGCCAGCTGCTGGAGAACAGGGAGGATATTAGCCAGTATGGCATTGCCCGTTCTT
CACTGACTATTTAACAGCGTATGCCAAGGAACACATTCTTCCGGGAATTCAGCTTTATAACAAGCC
ACACCTCATAATAGAGCATCATTCTTCGGCCCTTCTGGAGATGCTTCCGAAGTGTAGGGAAAAATGGT
ACCTGCTGACCATGAGGGAGTACCACTGTCTGCTGCAGTTATTGTGCCAGACTTCCCGCTGGAGCTTAC
TCAGAAAGCCGCCAGGATTGTGCTCATGGATGATGCCATGGACTGCCTGATGCTTTTTTCAGATTTCTT
TTCGCCTTCCAGATCCAGTTTTATTACTCAGAATTCCTGGAGAGTGTGGCTGCCATCTATCAGGACTTGC
TATCTGGGAAAAACCCCAATACAGTGATTGTCCCAACATCATCCAGTGGGCAACACCGCCAACGACCTGC
CTTGGGTGATGCCGGTATGCTGGATGGAGTGGAAGCATCACTGTTCTATCAGCGCCTGGAAAACTGTGT
GACCGGCACAAGTACAGCTGTCCACCACAGCGCTTGTCAAAGAGATCCTGAGCAATGTCCAGAGGCTGA
CTTTCTATGGATTCCTTGTGGCCCTCTCAAAGCATCATGGGATCAACCAAGCCCTGGGAGCTTTGCCAGA
CAAAGGAGACCTGATGCACGACCCAGCCATGGATGAAGAGCTGGAACGGCTGGTGGTGGAGTTCGAGGCTG
TACCGGACCCCGCAGCAGCAAAGGGCAAGGAGCCAGGGCCCTTTGGCTTTGAAGGAAGAGACAAGCTGG
AGGCCCCGGAGACAGTGCCTCAGCTTTGGCACCAACGCCCAACCCATATCGGTGGGAGCCAGAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204767 representing BC089006
Red=Cloning site Green=Tags(s)

MLSPERLALPDYEYLAQRHVLT YMEDAVCQLENREDISQYGIARFFTDYFNVCQGT HILFREFSFIQA
 TPHNRASFLRAFWRFCRTVVGKNGDLL TMREYHCLLQLLCPDFPLELTQKAARIVLMDDAMDCLMSFSDFL
 FAFQIQFYSEFLESVAAIYQDLLSGKNPNTVI VPTSSSGQHRQRPALGDAGMLDGV EASLFYQRLNLC
 DRHKYSCPPPALVKEILSNVQRLTFYGF LVALSKHHGINQALGALPDKGDL MHPAMDEELERLVVRSRL
 YRTPQQQRGKEPGAFGFEGRDKLEAPETVPSALAPTNPYRWEPRE

TRTRPLE - GFP Tag - V

Restriction Sites:

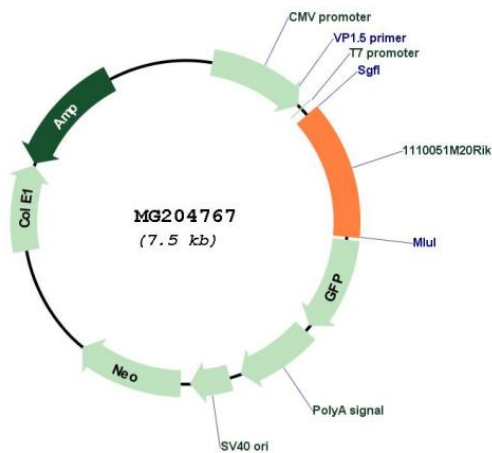
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC089006

ORF Size: 980 bp

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|-------------------------------|---|
| 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: | <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: | BC089006 , AAH89006 |
| RefSeq Size: | 4728 bp |
| RefSeq ORF: | 980 bp |
| Locus ID: | 228356 |
| Cytogenetics: | 2 E1 |