

Product datasheet for **MG207113**

Mid1 (BC053704) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mid1 (BC053704) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mid1
Synonyms:	Fxy, 61B3-R, Trim18, MGC60591
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207113 representing BC053704
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAACACTGGAGTCGGAGCTGACCTGTCTATTTGTCTGGAGCTTTTGGAGACCCTCTCTGCTTC
 CCTGCGCACATAGCCTCTGCTTCAACTGTGCCACCAGAACTCTGGTCTCTCACTGTGCCACCAACGAGCC
 TGTGGAGTCCATCAACGCCTTCCAGTGCCCCACCTGCCGGCATGTCATCACGCCCAGCCAGCGAGGTCTA
 GACGGGCTCAAGCGCAACGTCACCTCCAAAACATTATTGACAGATTTAGAAAAGCATCTGTGAGCGGGC
 CCAACTCTCCAGTGAGACCCGAGGAAACGGGCTTTGACGCCGACACCATGTCCTCTGCCGAGAAGGT
 TCTCTGCCAGTTCTGTGACCAGGATCCTGCCAGGATGCTGTGAAGACTTGCGTTACTTGTGAAGTGTCC
 TACTGTGATGAGTGCCTGAAAGCCACTCATCCGAACAAGAAGCCCTTTACAGGCCATCGTCTGATTGAGC
 CAATCCCGGACTCGACATCCGGGGCTGATGTGCTGGAGCACGAGGATGAGAAGCAAACTTGGAGAG
 TAATCTACCAATCTTATTAAGAGAAAACAGAACTGGAGACTCTTTGGCTAAACTCATCAAACCTTGT
 CAACATGTTGAAGTCAATGCATCCCGTCAAGAAGCCAAACTGACAGAAGAATGTGATCTTCTCATTGAAA
 TCATTCAGCAACGAAGACAAATTATTGGAACAAAGATTAAAGAAGGCAAGGTGATCAGGCTCCGCAAGT
 AGCTCAGCAGATTGAAACTGTAACAGTGCCTTGAGAGGTCTGCATCGCTCATCTCGAAAGCGGAGCAC
 TCGCTGAAGGAAAATGACCACGCCGCTTTTCTACAGACAGCAAAGAATATCACTGAGAGAGTCTCCATGG
 CAACTGCATCCTCCAGGTCCTAATCCCGAAATCAACCTCAATGACACGTTTGACACTTTTGCCTTGGAA
 TTTTCCCGGGAGAAGAACTGCTAGAAATGTCTGGATTACCTAACAGCTCCCAACCCTCCCGGATTAGA
 GAAGAGCTCTGCACCGCTTCTACGACACCATCACCGTCCACTGGACCTCAGAGGACGAGTTCAGCGTGG
 TCTCTACGAGCTCCAGTACACCATATTCACCGACAAGCCAATGTTGTCAGTCTGTGAACTCGCGGGA
 CAGCTGGATGATCGTGCCCAACATCAAGCAGAACCACTACACCGTGTACGGCCTGCAAAGTGGACCAAG
 TATATCTTACGGTGAAGCCATCAACCAGCGGGCAGCCGTAGCAGCGACCCGAAAGCTGAAGACCA
 ACAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207113 representing BC053704
 Red=Cloning site Green=Tags(s)

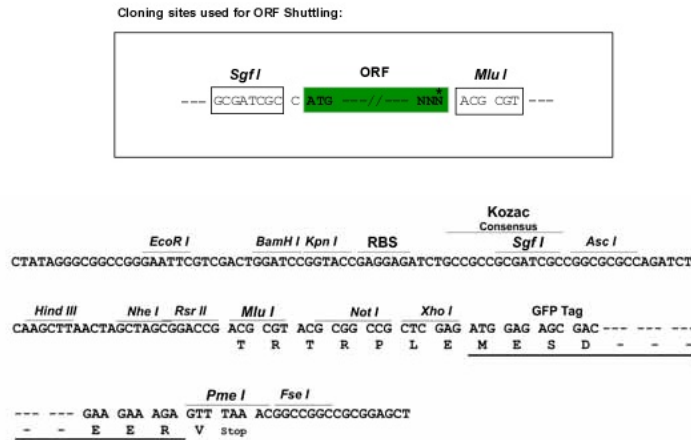
METLESELTCPICLELFEDPLLLPCAHSLCFNCAHRILVSHCATNEPVESINAFQCPTCRHVITPSQRGL
 DGLKRNVTLQNIIDRFQKASVSGPNPSETRRERAFDADTMSSAEKVLQCFDQDPAQDAVKTCVTCEVS
 YCDECLKATHPNKPFTHRLIEPIPDHIRGLMCLHEHEDEKQNLNLSNLNLIKRNTLETLAKLIQTC
 QHVEVNASRQEAKLTEECDLLIEIIQRRQIIGTKIKEGKVIIRLRLKLAQQIANCKQCLERSASLISQAEH
 SLKENDHARFLQAKNITERVSMATASSQVLIPEINLNDTFDTFALDFSREKKLLECLDYL TAPNPPAIR
 EELCTASYDTITVHWTSEDEFVSVYELQYTI FTGQANVVSLCNSADSWMIVPNIKQNHVYVYGLQSGTK
 YIFTVKAINQAGSRSEPGKLTNS

TRTRPLE - GFP Tag - V

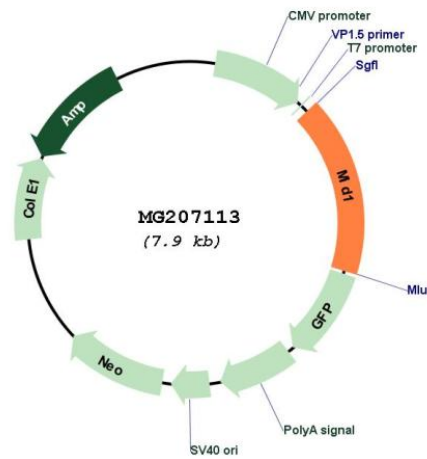
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC053704

ORF Size: 1337 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:	<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:	<u>BC053704</u> , <u>AAH53704</u>
RefSeq Size:	3457 bp
RefSeq ORF:	1337 bp
Locus ID:	17318
Cytogenetics:	X 79.19 cM
Gene Summary:	Has E3 ubiquitin ligase activity towards IGBP1, promoting its monoubiquitination, which results in deprotection of the catalytic subunit of protein phosphatase PP2A, and its subsequent degradation by polyubiquitination.[UniProtKB/Swiss-Prot Function]