

Product datasheet for **MR207113**

Mid1 (BC053704) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mid1 (BC053704) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mid1
Synonyms:	Fxy, 61B3-R, Trim18, MGC60591
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207113 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAACACTGGAGTCGGAGCTGACCTGTCTATTTGTCTGGAGCTTTTGGAGACCCTCTCTGTCTC
 CCTGCGCACATAGCCTCTGCTTCAACTGTGCCACCGAATCCTGGTCTCTCACTGTGCCACCAACGAGCC
 TGTGGAGTCCATCAACGCCTTCCAGTGCCCCACCTGCCGGCATGTCATCACGCCAGCCAGCGAGGTCTA
 GACGGGCTCAAGCGCAACGTCACCCTCCAAAACATTATTGACAGATTTAGAAAAGCATCTGTGAGCGGGC
 CCAACTCTCCAGTGAGACCCGACGGGAACGGGCTTTGACGCCGACACCATGTCCTCTGCCGAGAAGGT
 TCTCTGCCAGTTCTGTGACCAGGATCCTGCCAGGATGCTGTGAAGACTTGCCTTACTTGTGAAGTGTCC
 TACTGTGATGAGTGCCTGAAAGCCACTCATCCGAACAAGAAGCCCTTTACAGGCCATCGTCTGATTGAGC
 CAATCCCGGACTCGACATCCGGGGCTGATGTGCTGGAGCACGAGGATGAGAAGCAAACTTGGAGAG
 TAATCTACCAATCTTATTAAGAGAAAACAGAACTGGAGACTCTTTGGCTAAACTCATCAAACCTTGT
 CAACATGTTGAAGTCAATGCATCCCGTCAAGAAGCCAAACTGACAGAAGAATGTGATCTTCTCATTGAAA
 TCATTCAGCAACGAAGACAAATTATTGGAACAAAGATTAAAGAAGGCAAGGTGATCAGGCTCCGCAAGT
 AGCTCAGCAGATTGCAAAGTGTAAACAGTGCCTTGAGAGGTCTGCATCGCTCATCTCGAAAGCGGAGCAC
 TCGCTGAAGGAAAATGACCACGCCCGTTTTCTACAGACAGCAAAGAATATCACTGAGAGAGTCTCCATGG
 CAACTGCATCCTCCAGGTCCTAATCCCGAAATCAACCTCAATGACACGTTTGACACTTTTGCCTTGGAA
 TTTTCCCGGGAGAAGAACTGCTAGAATGTCTGGATTACCTAACAGCTCCCAACCCTCCCGGATTAGA
 GAAGAGCTCTGCACCGCTTCTACGACACCATACCCGTCACCTGGACCTCAGAGGACGAGTTCAGCGTGG
 TCTCTACGAGCTCCAGTACACCATATTCACCGGACAAGCCAATGTTGTGAGTCTGTGTAAGTCCGGCGGA
 CAGCTGGATGATCGTGCCCAACATCAAGCAGAACCCTACACCGTGTACGGCTGCAAAGTGGCACCAAG
 TATATCTTACGGTGAAGCCATCAACCAGCGGGCAGCCGTAGCAGCGAGCCCGAAAAGCTGAAGACCA
 ACAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207113 protein sequence
 Red=Cloning site Green=Tags(s)

METLESELTCPICLELFEDPLLLPCAHSLCFNCAHRILVSHCATNEPVESINAFQCPTCRHVITPSQRGL
 DGLKRNVTLQNIIDRFQKASVSGPNPSETRRERAFDADTMSSAEKVLQCFDQDPAQDAVKTCVTCEVS
 YCDECLKATHPNKPFTHRLIEPIPDHIRGLMCLHEHEDEKQNLNLSNLNLIKRNTLETLLAKLIQTC
 QHVEVNASRQEAKLTECDLLIEIIQRRQIIGTKIKEGKVIRLRKLAQQIANCKQCLERSASLISQAEH
 SLKENDHARFLQTAKNITERVSMATASSQVLIPEINLNDTFDFTALDFSREKKLLECLDYLTAPNPPAIR
 EELCTASYDTITVHWTSEDEFVSVSYELQYTI FTGQANVVS LCNSADSWMIVPNIKQNHYTVYGLQSGTK
 YIFTVKAINQAGSRSEPGKLTNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC053704

ORF Size: 1335 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: [BC053704](#), [AAH53704](#)
RefSeq Size: 3457 bp

RefSeq ORF: 1337 bp

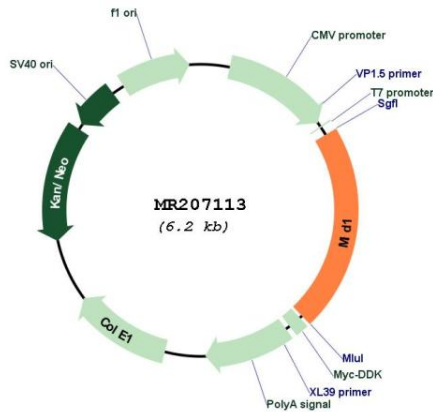
Locus ID: 17318

Cytogenetics: X 79.19 cM

MW: 50.1 kDa

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]

Product images:



Circular map for MR207113