

Product datasheet for **MC220411**

Mid1 (NM_183151) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mid1 (NM_183151) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mid1
Synonyms:	61B3-R; DXHXS1141; Fxy; Trim18
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220411 representing NM_183151
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAACACTGGAGTCGGAGTGACCTGTCTATTTGTCTGGAGCTTTTGGAGACCTCTCTGCTTC
CCTGCGCACATAGCCTCTGCTTCAACTGTGCCACCGAATCCTGGTCTCTCACTGTGCCACCAACGAGCC
TGTGGAGTCCATCAACGCCTTCCAGTGCCCCACCTGCCGGCATGTCATCACGCTCAGCCAGCGAGGTCTA
GACGGGCTCAAGCGCAACGTCACCCTCCAAAACATCATTGACAGATTTAGAAAAGCATCTGTGAGCGGGC
CCAACCTCTCCAGTGAGACCCGAGGGAACGGGCTTTGACGCCAACACCATGTCCTCTGCCGAGAAGGT
TCTCTGCCAGTTCTGTGACCAGGATCCTGCCAGGATGCTGTGAAGACTTGCGTTACTTGTGAAGTGTCC
TACTGTGATGAGTGCCTGAAAGCCACTCATCCGAACAAGAAGCCCTTTACAGGCCATCGTCTGATTGAGC
CAATCCCGGACTCGACATCCGGGGCTGATGTGCTGGAGCACGAGGATGAGAAGGTGAATATGTACTG
TGTGACCGATGACCAGTTAATCTGTGCCTTGTGTAACCTGGTTGGCGGCACCGCATCATCAGGTGGCA
GCTTTGAGTGAGCGCTATGACAAATTGAAGCAAACTTGAGAGTAATCTCACC AATCTTATTAAGAGAA
ACACAGAACTGGAGACTCTTTGGCTAAACTCATCCAACTTGTCAACATGTTGAAGTCAATGCATCCCG
TCAAGAAGCCAACTGACAGAAGAATGTGATCTTCTCATTGAAATCATTAGCAACGAAGACAAATATT
GGAACAAAGATTAAGAAGGCAAGGTGATCAGGCTCCGCAAGTTAGTCAAGCAGATTGCAAACTGTAAC
AGTGCCTTGAGAGGTCTGCATCGCTCATCTCGAAGCGGAGCACTCGTGAAGGAAAATGACCACGCCCG
TTTTCTACAGACAGCAAGAATATCACTGAGAGAGTCTCCATGGCAACTGCATCTCCAGGTCTAATT
CCCGAAATCAACCTCAATGACACGTTTGACACTTTTGCCTTGGATTTTCCCGGGAGAAGAACTGCTAG
AATGTCTGGATTACCTAACAGCTCCCAACCTCCCGCGATTAGAGAAGAGCTCTGCACCGCTTCTACGA
CACCATACCGTCCACTGGACCTCAGAGGACGAGTTCAGCGTGGTCTCCTACGAGCTCCAGTACACCATA
TTCACCGGACAAGCCAATGTTGTCAACGTGGCCTGTGACGGCACCTGTCTCCTCGGCTCCGAGGTCTGT
GTAACCTGGCGGACAGCTGGATGATCGTGCCCAACATCAAGCAGAACCACTACACCGTGCACGGCCTGCA
AAGTGGCACCAAGTATATCTTACGGTGAAGGCCATCAACCAGGCGGGCAGCCGTAGCAGCGAGCCCGGA
AAGCTGAAGACCAACAGTCAGCCGTTTAGACTGGATCCCAATCGGCTCATCGCAAGCTGAAGGTGTCC
ACGACAACCTGACTGTCGAGCGGACGAGTCGTCTTAAGAAGAGTCACGCGCCGGAGCGCTTCGCTGG
TCAGGGGAGCTACGGAGTGGCTGGCAACGTGTTTCATCGACAGCGCCGTCACTACTGGGAAGTGGTCACC
AGCGGAAGCACATGGTACGCCATCGGCCTGGCGTACAGATCGGCGCCGAAACACGAGTGGATCGGGAAGA
ACGCGGGCTCCTGGGCCCTCTGCCGCTGCCACAACCACTGGGCGGTGCGACACGAGCGCAAGGAGACCC
CATCGCGCCGGCCCTCACCTCAGGCGCGTGGCGTCTGCTGGACTACGACAACGGCTCCATCGCCTTC
TACGACGCTCTGAGCTCCGTCCACCTCCACACCTTCCACGCGGCGCTCGCGCAGCCCGTGTGCCCACT
TCACCGTGTGGAACAAGTGTCTGACCATCGTCACGGGTGTCCTCCCGGACCACTGAGTGTACGGGA
GCAGCGACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_183151
Insert Size: 2043 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_183151.1](#), [NP_898974.1](#)

RefSeq Size: 3974 bp

RefSeq ORF: 2043 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]