

Product datasheet for **MC228618**

Mid1 (NM_001290505) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mid1 (NM_001290505) 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: >MC228618 representing NM_001290505
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACACTGGAGTCGGAGTGCCTATTTGTCTGGAGCTTTTGAGGACCTCTCCTGCTTC
 CCTGCGCACATAGCCTCTGCTTCAACTGTGCCACCGAATCCTGGTCTCTCACTGTGCCACCAACGAGCC
 TGTGGAGTCCATCAACGCCTTCCAGTGCACCCACCTGCCGGCATGTCATCACGCTCAGCCAGCGAGGTCTA
 GACGGGCTCAAGCGCAACGTCACCCTCCAAAACATCATTGACAGATTTAGAAAAGCATCTGTGAGCGGGC
 CCAACTCTCCAGTGAGACCCGAGGGAACGGGCTTTGACGCCAACACCATGTCCTCTGCCGAGAAGGT
 TCTCTGCCAGTTCTGTGACCAGGATCCTGCCAGGATGCTGTGAAGACTTGCCTTACTTGTGAAGTGTCC
 TACTGTGATGAGTGCCTGAAAGCCACTCATCCGAACAAGAAGCCCTTTACAGGCCATCGTCTGATTGAGC
 CAATCCCGGACTCGACATCCGGGGCTGATGTGCCTGGAGCACGAGGATGAGAAGTGAATATGTACTG
 TGTGACCGATGACCAGTTAATCTGTGCCTTGTGTAAGTGGTGGGCGGCACCGCATCATCAGGTGGCA
 GCTTTGAGTGAGCGCTATGACAAATTGAAGCAAACCTTGAGAGTAATCTCACCATCTTATTAAGAGAA
 ACACAGAACTGGAGACTCTTTGGCTAAACTCATCCAACTTGTCAACATGTTGAAGTCAATGCATCCCG
 TCAAGAAGCCAACTGACAGAAGAATGTGATCTTCTCATTGAAATCATTAGCAACGAAGACAAATATT
 GGAACAAAGATTAAGAAGGCAAGGTGATCAGGCTCCGCAAGTTAGTCCAGCAGATTGCAAACTGTAAC
 AGTGCCTTGAGAGGTCTGCATCGCTCATCTCGAAGCGGAGCACTCGTGAAGGAAAATGACCACGCCCG
 TTTTCTACAGACAGCAAGAATACACTGAGAGAGTCTCCATGGCAACTGCATCTCCAGGTCTAATT
 CCCGAAATCAACCTCAATGACACGTTTACACTTTTGCCTTGGATTTTCCCGGGAGAAGAACTGCTAG
 AATGTCGTGATTACCTAACAGCTCCCAACCTCCCGCGATTAGAGAAGAGCTCTGCACCGCTTCTACGA
 CACCATCACCGTCCACTGGACCTCAGAGGACGAGTTCAGCGTGGTCTCCTACGAGCTCCAGTACACCATA
 TTCACCGGACAAGCCAATGTTGTCACTGTGTAAGTCCGCGGACAGCTGGATGATCGTGCCCAACATCA
 AGCAGAACCCTACACCGTGCACGGCCTGCAAAGTGGCACCAAGTATATCTTACCGTGAAGGCCATCAA
 CCAGGCGGGCAGCCGTAGCAGCGAGCCCGAAAGCTGAAGACCAACAGTACGCGTTTACTGATGCC
 AAATCGGCTCATCGAAGCTGAAGGTGTCCACGACAACCTGACTGTGAGCGCGACGAGTCTGCTCTA
 AGAAGAGTACGCGCCGGAGCGTTCGCTGGTACGGGAGCTACGGAGTGGCTGGCAACGTGTTTCATCGA
 CAGCGGCCGTCACTACTGGGAAGTGGTACCAGCGGAAGCACATGGTACGCCATCGGCTGGCGTACAGA
 TCGGCGCCGAAACACGAGTGGATCGGGAAGAACCGGCGTCTGGGCCCTGCGCGTGCACAACTCACT
 GGGCGGTGCGACACGACGCAAGGAGACCCCATCGCGCCGCCCTCACCTCAGCGCGTGGCGTCTCT
 GCTGGACTACGACAACGGCTCCATCGCCTTCTACGACGCTCTGAGCTCCGTCACCTCCACACTCCAC
 GCGGCGCTCGCGCAGCCGTGTGCCACCTTACCGTGTGGAACAAGTGTCTGACCATCGTACGGGTC
 TGCCATCCCGGACCATCTGGACTGTACGGAGCAGCGACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290505

Insert Size: 2004 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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>NM_001290505.1</u> , <u>NP_001277434.1</u>
RefSeq Size:	3938 bp
RefSeq ORF:	2004 bp
Locus ID:	17318
UniProt ID:	<u>O70583</u>
Cytogenetics:	X 79.19 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Variants 3 and 4 encode the same isoform (2). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>