

## Product datasheet for **MC228655**

### Mid1 (NM\_010797) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mid1 (NM_010797) 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:** >MC228655 representing NM\_010797  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAACACTGGAGTCGGAGCTGACCTGTCTATTTGTCTGGAGCTTTTGGAGACCCTCTCTGTCTT  
 CCTGCGCACATAGCCTCTGCTTCAACTGTGCCACCGAATCCTGGTCTCTCACTGTGCCACCAACGAGCC  
 TGTGGAGTCCATCAACGCCTTCCAGTGCCCCACCTGCCGGCATGTCATCACGCTCAGCCAGCGAGGTCTA  
 GACGGGCTCAAGCGCAACGTCACCCTCCAAAACATCATTGACAGATTTAGAAAAGCATCTGTGAGCGGGC  
 CCAACTCTCCAGTGAGACCCGACGGGAACGGGCTTTGACGCCAACACCATGTCCTCTGCCGAGAAGGT  
 TCTCTGCCAGTTCTGTGACCAGGATCCTGCCAGGATGCTGTGAAGACTTGCGTTACTTGTGAAGTGTCC  
 TACTGTGATGAGTGCCTGAAAGCCACTCATCCGAACAAGAAGCCCTTTACAGGCCATCGTCTGATTGAGC  
 CAATCCCGGACTCGACATCCGGGGCTGATGTGCCTGGAGCACGAGGATGAGAAGGTGAATATGTACTG  
 TGTGACCGATGACCAGTTAATCTGTGCCTTGTGTAACCTGGTTGGGCGGCACCGCATCATAGGTGGCA  
 GCTTTGAGTGAGCGCTATGACAAATTGAAGCAAACTTGAGAGTAATCTCACCATCTTATTAAGAGAA  
 ACACAGAACTGGAGACTCTTTGGCTAAACTCATCCAACTTGTCAACATGTTGAAGTCAATGCATCCCG  
 TCAAGAAGCCAACTGACAGAAGAATGTGATCTTCTCATTGAAATCATTAGCAACGAAGACAAATATT  
 GGAACAAAGATTAAGAAGGCAAGGTGATCAGGCTCCGCAAGTTAGTCAAGCAGATTGCAAACTGTAAC  
 AGTGCCTTGAGAGGTCTGCATCGCTCATCTCGAAGCGGAGCACTCGTGAAGGAAAATGACCACGCCCG  
 TTTTCTACAGACAGCAAGAATATCACTGAGAGAGTCTCCATGGCAACTGCATCTCCAGGTCTAATT  
 CCCGAAATCAACCTCAATGACACGTTGACACTTTTGCCTTGGATTTTCCGGGAGAAGAACTGCTAG  
 AATGCTGGATTACCTAACAGCTCCCAACCTCCCGCGATTAGAGAAGAGCTCTGCACCGCTTCTACGA  
 CACCATCACCGTCCACTGGACCTCAGAGGACGAGTTCAGCGTGGTCTCCTACGAGCTCCAGTACACCATA  
 TTCACCGGACAAGCCAATGTTGTCAACGTGGCCTGTGACGGCACCTGTCTCCTCGGCTCCGACGGTCTGT  
 GTAACCTGGCGGACAGCTGGATGATCGTGCCCAACATCAAGCAGAACCACTACACCGTGCACGGCTGCA  
 AAGTGGCACCAAGTATATCTTACGGTGAAGGCCATCAACCAGGCGGGCAGCCGTAGCAGCGAGCCCGGA  
 AAGCTGAAGACCAACAGTCAGCCGTTTAGACTGGATCCCAATCGGCTCATCGAAGCTGAAGGTGTCCC  
 ACGACAACCTGACTGTCGAGCGGACGAGTCGTCTCTAAGAAGAGTCACGCGCCGGAGCGCTTCGCTGG  
 TCAGGGGAGCTACGGAGTGGCTGGCAACGTGTTTCATCGACAGCGCCGTCACTACTGGGAAGTGGTCAAC  
 AGCGGAAGCAGATGGTACGCCATCGGCCTGGCGTACAGATCGGCGCCGAAACACGAGTGGATCGGGAAGA  
 ACGCGGGCTCCTGGGCCCTCTGCGCTGCCACAACCACTGGGCGGTGCGACACGAGCGCAAGGAGACCCC  
 CATCGCGCCGGCCCTCACCTCAGGCGCGTCCGGCTCCTGCTGGACTACGACAACGGCTCCATCGCCTTC  
 TACGACGCTCTGAGCTCCGTCCACCTCCACACCTTCCACGCGGCGCTCGCGCAGCCCGTGTGCCCACT  
 TCACCGTGTGGAACAAGTGTCTGACCATCGTCACGGGTCTGCCATCCCGGACCATCTGGACTGTACGGA  
 GCAGCGACCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_010797  
**Insert Size:** 2043 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_010797.3</a> , <a href="#">NP_034927.2</a>
<b>RefSeq Size:</b>	3860 bp
<b>RefSeq ORF:</b>	2043 bp
<b>Locus ID:</b>	17318
<b>UniProt ID:</b>	<a href="#">O70583</a>
<b>Cytogenetics:</b>	X 79.19 cM
<b>Gene Summary:</b>	<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 (1) encodes the longest isoform (1). 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>