

Product datasheet for **MC228523**

Mid1 (NM_001290506) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mid1 (NM_001290506) 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: >MC228523 representing NM_001290506
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACACTGGAGTCGGAGTGACCTGTCTATTTGTCTGGAGCTTTTGGAGACCCTCTCTGTCTC
 CCTGCGCACATAGCCTCTGCTTCAACTGTGCCACCGAATCCTGGTCTCTCACTGTGCCACCAACGAGCC
 TGTGGAGTCCATCAACGCCTTCCAGTGCCCCACCTGCCGGCATGTCATCACGCTCAGCCAGCGAGGTCTA
 GACGGGCTCAAGCGCAACGTCACCTCCAAAACATCATTGACAGATTTAGAAAAGCATCTGTGAGCGGGC
 CCAACTCTCCAGTGAGACCCGACGGGAACGGGCTTTGACGCCAACACCATGTCCTCTGCCGAGAAGGT
 TCTCTGCCAGTTCTGTGACCAGGATCCTGCCAGGATGCTGTGAAGACTTGCGTTACTTGTGAAGTGTCC
 TACTGTGATGAGTGCCTGAAAGCCACTCATCCGAACAAGAAGCCCTTTACAGGCCATCGTCTGATTGAGC
 CAATCCCGGACTCGACATCCGGGGCTGATGTGCTGGAGCACGAGGATGAGAAGCAAACTTGGAGAG
 TAATCTACCAATCTTATTAAGAGAAAACACAGAAGCTGGAGACTCTTTGGCTAAACTCATCAAACCTTGT
 CAACATGTTGAAGTCAATGCATCCCGTCAAGAAGCCAAACTGACAGAAGAATGTGATCTTCTCATTGAAA
 TCATTCAGCAACGAAGACAAATTATTGGAACAAAGATTAAAGAAGGCAAGGTGATCAGGCTCCGCAAGTT
 AGCTCAGCAGATTGCAAACGTGAAACAGTGCCTTGAGAGGTCTGCATCGCTCATCTCGAAAGCGGAGCAC
 TCGCTGAAGGAAAATGACCACGCCGCTTTTCTACAGACAGCAAAGAATATCACTGAGAGAGTCTCCATGG
 CAACTGCATCCTCCAGGTCCTAATCCCGAAATCAACCTCAATGACACGTTTGACACTTTTGCCTTGGAA
 TTTTCCCGGGAGAAGAACTGCTAGAAATGTCTGGATTACCTAACAGCTCCCAACCCTCCCGGATTAGA
 GAAGAGCTCTGCACCGCTTCTACGACACCATCACCGTCCACTGGACCTCAGAGGACGAGTTCAGCGTGG
 TCTCTACGAGCTCCAGTACACCATATTCACCGGACAAGCCAATGTTGTCAGTCTGTAACTCGGCGGA
 CAGCTGGATGATCGTGCCCAACATCAAGCAGAACCACTACACCGTGCACGGCTGCAAAGTGGCACCAAG
 TATATCTTACGGTGAAGGCCATCAACCAGGCGGGCAGCCGTAGCAGCGAGCCCGAAAAGCTGAAGACCA
 ACAGTCAGCCGTTTAGACTGGATCCCAAATCGGCTCATCGCAAGCTGAAGGTGTCCACGACAACCTGAC
 TGTGAGCGCGACGAGTCTCTCTAAGAAGAGTACGCGCCGGAGCGCTTCGCTGGTACGGGGAGCTAC
 GGAGTGGTGGCAACGTGTTTCATCGACAGCGCCGCTCACTACTGGGAAGTGGTACCAGCGGAAGCACAT
 GGTACGCCATCGGCTGGCGTACAGATCGGCGCCGAAACAGAGTGGATCGGGAAGAACGCGGCGTCTG
 GGCCCTCTGCCGCTGCCACAACCACTGGGCGGTGCGACACGACGCGCAAGGAGACCCCATCGCGCCGCC
 CCTCACCTCAGGCGGCTGGCGTCTGTGGACTACGACAACGGTCCATCGCCTTCTACGACGCTCTGA
 GCTCCGTCACCTCCACACCTTCCACGCGGCGCTCGCGCAGCCGTGTGCCACCTTACCGTGTGGAA
 CAAGTGTCTGACCATCGTACGGGTCTGCCATCCCGGACCATCTGGACTGTACGGAGCAGCGACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001290506
- Insert Size:** 1890 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:

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_001290506.1](#), [NP_001277435.1](#)

RefSeq Size: 3824 bp

RefSeq ORF: 1890 bp

Locus ID: 17318

UniProt ID: [O70583](#)

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]
Transcript Variant: This variant (5) differs in the 5' UTR and uses two alternate in-frame splice sites, compared to variant 1. The encoded isoform (3) is shorter than 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.