

Product datasheet for **MR230866**

Mid1 (NM_010797) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mid1 (NM_010797) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mid1
Synonyms:	61B3-R; DXHXS1141; Fxy; Trim18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR230866 representing NM_010797
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAACACTGGAGTCGGAGTGACCTGTCTATTTGTCTGGAGCTTTTGGAGACCTCTCTGCTTC
CCTGCGCACATAGCCTCTGCTTCAACTGTGCCACCGAATCCTGGTCTCTCACTGTGCCACCAACGAGCC
TGTGGAGTCCATCAACGCCTTCCAGTGCCCCACCTGCCGGCATGTCATCACGCTCAGCCAGCGAGGTCTA
GACGGGCTCAAGCGCAACGTCACCCTCCAAAACATCATTGACAGATTTAGAAAAGCATCTGTGAGCGGGC
CCAACCTCTCCAGTGAGACCCGAGGGAACGGGCTTTGACGCCAACACCATGTCCTCTGCCGAGAAGGT
TCTCTGCCAGTTCTGTGACCAGGATCCTGCCAGGATGCTGTGAAGACTTGCCTTACTTGTGAAGTGTC
TACTGTGATGAGTGCCTGAAAGCCACTCATCCGAACAAGAAGCCCTTTACAGGCCATCGTCTGATTGAGC
CAATCCCGGACTCGACATCCGGGGCTGATGTGCTGGAGCACGAGGATGAGAAGGTGAATATGTACTG
TGTGACCGATGACCAGTTAATCTGTGCCTTGTGTAAGTGGTTGGCGGCACCGCATCATCAGGTGGCA
GCTTTGAGTGAGCGCTATGACAAATTGAAGCAAACTTGAGAGTAATCTCACCATCTTATTAAGAGAA
ACACAGAACTGGAGACTCTTTGGCTAAACTCATCCAACTTGTCAACATGTTGAAGTCAATGCATCCCG
TCAAGAAGCCAACTGACAGAAGAATGTGATCTTCTCATTGAAATCATTAGCAACGAAGACAAATATT
GGAACAAGATTAAGAAGGCAAGGTGATCAGGCTCCGCAAGTTAGTCAAGCAGATTGCAAACTGTAAC
AGTGCCTTGAGAGGTCTGCATCGCTCATCTCGAAGCGGAGCACTCGTGAAGGAAAATGACCACGCCCC
TTTTCTACAGACAGCAAGAATATCACTGAGAGAGTCTCCATGGCAACTGCATCTCCAGGTCTAATT
CCCGAAATCAACCTCAATGACACGTTTGACACTTTTGCCTTGGATTTTCCCGGGAGAAGAACTGCTAG
AATGCTGGATTACCTAACAGCTCCCAACCTCCCGCGATTAGAGAAGAGCTCTGCACCGCTTCTACGA
CACCATCACCGTCCACTGGACCTCAGAGGACGAGTTCAGCGTGGTCTCCTACGAGCTCCAGTACACCATA
TTCACCGGACAAGCCAATGTTGTCAACGTGGCCTGTGACGGCACCTGTCTCCTCGGCTCCGAGGTCTGT
GTAACCTGGCGGACAGCTGGATGATCGTGCCCAACATCAAGCAGAACCACTACACCGTGCACGGCCTGCA
AAGTGGCACCAAGTATATCTTACGGTGAAGGCCATCAACCAGGCGGGCAGCCGTAGCAGCGAGCCCGGA
AAGCTGAAGACCAACAGTCAGCCGTTTACTGGATCCCAATCGGCTCATCGCAAGCTGAAGGTGTCCC
ACGACAACCTGACTGTGAGCGGACGAGTGTCTCTAAGAAGAGTACGCGCCGGAGCGCTTCTGCTGG
TCAGGGGAGCTACGGAGTGGCTGGCAACGTGTTTCATCGACAGCGCCGTCCTACTGGGAAGTGGTCACC
AGCGGAAGCACATGGTACGCCATCGGCCTGGCGTACAGATCGGCGCCGAAACACGAGTGGATCGGGAAGA
ACGCGGGCTCCTGGGCCCTCTGCCGCTGCCACAACCACTGGGCGGTGCGACACGAGGCAAGGAGACCCC
CATCGCGCCGGCCCTCACCTCAGGCGCGTGGCGTCTGCTGGACTACGACAACGGCTCCATCGCCTTC
TACGACGCTCTGAGCTCCGTCCACCTCCACACCTTCCACGCGGCGCTCGCGCAGCCCGTGTGCCCACT
TCACCGTGTGGAACAAGTGTCTGACCATCGTCACGGGTCTGCCATCCCGGACCATCTGGACTGTACGGA
GCAGCGACCT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230866 representing NM_010797
 Red=Cloning site Green=Tags(s)

METLESELTCPICLELFEDPLLLPCAHSLCFNCAHRILVSHCATNEPVESINAFQCPTCRHVITLSQRGL
 DGLKRNVTLQNIIDRFQKASVSGPNPSETRRERAFDANTMSSAEKVLCOFCDQDPAQDAVKTCVTCEVS
 YCDECLKATHPNKKPFTGHRLIEPIPDSHIRGLMCLHEHEDEKVNMYCVTDDQLICALCKLVGRHRDHQVA
 ALSERYDKLKQNLNSLNLIKRNTLETLLAKLIQTCQHVEVNASRQEAKLTEECDLLIEIIQRRQII
 GTKIKEGKVIIRLRKLAQQIANCKQCLERSASLISQAEHSLKENDHARFLQAKNITERVSMATASSQVLI
 PEINLNDTFDFALDFSREKLLLECLDYLTAPNPPAIREELCTASYDTITVHWTSEDEF SVVSYELQYTI
 FTGQANVNVACDGTCLLGSAGLCNSADSWMIVPNIKQNHYTVHGLQSGTKYIFTVKAINQAGRSSEPG
 KLKTN SQPFR LDPKSAHRKLVSHDNL TVERDESSSKSHAPERFAGQGSYGVAGNVFIDSGRHYWEVVT
 SGSTWYAIGLAYRSAPKHEWIGKNAASWALCRCHNHWAVRHDGKETPIAPAPHLRRVGVLLDYDNGSIAF
 YDALSSVHLHTFHAALAQPVCTFTVWNKCLTIVTGLPIPDHLDCTEQRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_010797

ORF Size: 2040 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: [NM_010797.3](#), [NP_034927.2](#)

RefSeq Size: 3860 bp

RefSeq ORF: 2043 bp

Locus ID: 17318

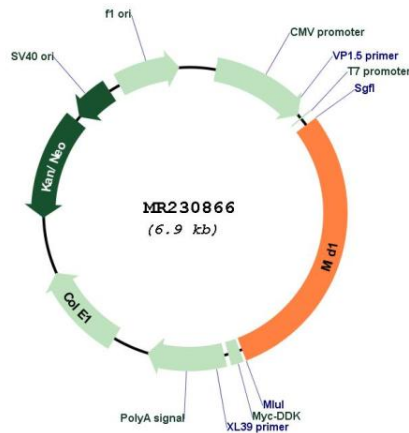
UniProt ID: [O70583](#)

Cytogenetics: X 79.19 cM

MW: 76.1 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 MR230866