

Product datasheet for **MR230829**

Mid1 (NM_001290505) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mid1 (NM_001290505) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mid1
Synonyms:	61B3-R; DXHXS1141; Fxy; Trim18
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>MR230829 representing NM_001290505
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAACACTGGAGTCGGAGCTGACCTGTCTATTTGTCTGGAGCTTTTGGAGACCCTCTCTGTCTC
CCTGCGCACATAGCCTCTGCTTCAACTGTGCCACC GAATCCTGGTCTCTCACTGTGCCACCAACGAGCC
TGTGGAGTCCATCAACGCCTTCCAGTGCCCCACCTGCCGGCATGTCATCACGCTCAGCCAGCGAGGTCTA
GACGGGCTCAAGCGCAACGTCACCCTCCAAAACATCATTGACAGATTTAGAAAAGCATCTGTGAGCGGGC
CCAACCTCTCCAGTGAGACCCGACGGGAACGGGCTTTGACGCCAACACCATGTCCTCTGCCGAGAAGGT
TCTCTGCCAGTTCTGTGACCAGGATCCTGCCAGGATGCTGTGAAGACTTGCCTTACTTGTGAAGTGTCC
TACTGTGATGAGTGCCTGAAAGCCACTCATCCGAACAAGAAGCCCTTTACAGGCCATCGTCTGATTGAGC
CAATCCCGGACTCGACATCCGGGGCTGATGTGCTGGAGCACGAGGATGAGAAGTGAATATGTACTG
TGTGACCGATGACCAGTTAATCTGTGCCTTGTGTA AACTGGTTGGCGGGCACC GGATCATCAGGTGGCA
GCTTTGAGTGAGCGCTATGACAAATTGAAGCAAACTTGAGAGTAATCTCACC AATCTTAAAGAGAA
ACACAGAACTGGAGACTCTTTGGCTAAACTCATCCAACTTGTCAACATGTTGAAGTCAATGCATCCCG
TCAAGAAGCCAACTGACAGAAGAATGTGATCTTCTCATTGAAATCATT CAGCAACGAAGACAAATATT
GGAACAAAGATTAAGAAGGCAAGGTGATCAGGCTCCGCAAGTTAGCTCAGCAGATTGCAA ACTGTAAAC
AGTGCCTTGAGAGGTCTGCATCGCTCATCTCGAAGCGGAGCACTCGCTGAAGGAAAATGACCACGCCCG
TTTTCTACAGACAGCAAGAATATCACTGAGAGAGTCTCCATGGCAACTGCATCTCC CAGGTCTAATT
CCCGAAATCAACCTCAATGACACGTTTGACACTTTTGCCTTGGATTTTCCCGGGAGAAGAAACTGCTAG
AATGCTGGATTACCTAACAGCTCCCAACCCTCCCGGATTAGAGAAGAGCTCTGC ACCGTTCTCTACGA
CACCATCACCGTCCACTGGACCTCAGAGGACGAGTTCAGCGTGGTCTCCTACGAGCTCCAGTACACCATA
TTCACCGGACAAGCCAATGTTGTCACTGTGTA AACTCGGCGGACAGCTGGATGATCGTGCCCAACATCA
AGCAGAACCCTACACCGTGCACGGCCTGCAAAGTGGCACCAAGTATATCTT CACGGTGAAGGCCATCAA
CCAGGGCGGCAGCCGTAGCAGCGAGCCCGAAAGCTGAAGACCAACAGT CAGCCGTTTAGACTGGATCCC
AAATCGGCTCATCGAAGCTGAAGGTGTCCACGACAACCTGACTGTGAGCGCGACGAGT CGTCTCTA
AGAAGAGTCACGCGCCGGAGCGCTTCGCTGGT CAGGGAGCTACGGAGTGGCTGGCAACGTGTT CATCGA
CAGCGGCCGTCACTACTGGGAAGTGGTACCAGCGGAAGCACATGGTACGCCATCGGCCTGGCGTACAGA
TCGGCGCCGAAACACGAGTGGATCGGGAAGAACCGGGCTCCTGGGCCCTCTGCCGCTGCCACAACCACT
GGGCGGTGCGACACGACGCAAGGAGACCCCATCGCGCCGGCCCTCACCTCAGGCGCGT CGGGCTCCT
GCTGGACTACGACAACGGCTCCATCGCCTTCTACGACGCTCTGAGCTCCGTCACCTCCACACTCCAC
GCGGCGCTCGCGCAGCCGTGTGCCACCTTACCGTGTGGAACAAGTGTCTGACCATCGT CACGGGTC
TGCCATCCCGGACCATCTGGACTGTACGGAGCAGCGACCT

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230829 representing NM_001290505
 Red=Cloning site Green=Tags(s)

METLESELTCPICLELFEDPLLLPCAHSLCFNCAHRILVSHCATNEPVESINAFQCPTCRHVITLSQRGL
 DGLKRNVTLQNIIDRFQKASVSGPNPSETRRERAFDANTMSSAEKVL CQFCDDPAQDAVKTCVTCEVS
 YCDECLKATHPNKKPFTGHRLIEPIPDSHIRGLMCLHEHEDEKVNMYCVTDDQLICALCKLVGRHRDHQVA
 ALSERYDKLKQNLNLTNLIKRNTLETLLAKLIQTCQHVEVNASRQEAKLTEECDLLIEIIQRRQII
 GTKIKEGKVIRLRKLAQQIANCKQCLERSASLISQAESLKENHARFLQTAKNITERVSMATASSQVLI
 PEINLNDTFDFALDFSREKLLLECLDYLTAPNPPAIREELCTASYDTITVHWTSEDEF SVVSYELQYTI
 FTGQANVVS LCNSADSWMIVPNIKQNHYTVHGLQSGTKYIFTVKAINQAGSRSSPEGKLTNSQPFR LDP
 KSAHRKLVSHDNL TVERDESSSKSHAPERFAGQGSYGVAGNVFIDSGRHYWEVVTSGSTWYAIGLAYR
 SAPKHEWIGKNAASWALCRCHNHAVRHDGKETPIAPAPHLRRVGVLLDYDNGSIAFYDALSSVHLHTHF
 AALAQPVCPTFTVWNKCLTIVTGLPIPDLDCTEQRP

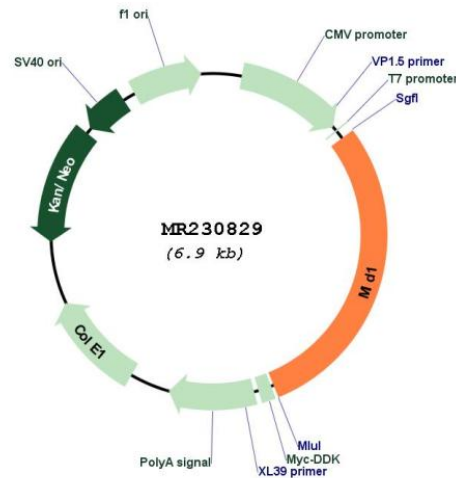
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001290505

ORF Size: 2001 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_001290505.1](#), [NP_001277434.1](#)

RefSeq Size: 3938 bp

RefSeq ORF: 2004 bp

Locus ID: 17318

UniProt ID: [O70583](#)

Cytogenetics: X 79.19 cM

MW: 75.4 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]