

Product datasheet for **MR230828**

Mid1 (NM_001290504) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mid1 (NM_001290504) 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



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ORF Nucleotide
Sequence:

>MR230828 representing NM_001290504
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAACACTGGAGTCGGAGCTGACCTGTCTATTTGTCTGGAGCTTTTGGAGACCCTCTCTGTCTC
CCTGCGCACATAGCCTCTGCTTCAACTGTGCCACC GAATCCTGGTCTCTCACTGTGCCACCAACGAGCC
TGTGGAGTCCATCAACGCCTTCCAGTGCCCCACCTGCCGGCATGTCATCACGCTCAGCCAGCGAGGTCTA
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CCAACCTCTCCAGTGAGACCCGACGGGAACGGGCTTTGACGCCAACACCATGTCCTCTGCCGAGAAGGT
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CAATCCCGGACTCGCACATCCGGGGCTGATGTGCTGGAGCACGAGGATGAGAAGTGAATATGTACTG
TGTGACCGATGACCAGTTAATCTGTGCCTTGTGTA AACTGGTTGGCGGGCACC GGATCATCAGGTGGCA
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ACACAGAACTGGAGACTCTTTGGCTAAACTCATCCAACTTGTCAACATGTTGAAGTCAATGCATCCCG
TCAAGAAGCCAACTGACAGAAGAATGTGATCTTCTCATTGAAATCATTAGCAACGAAGACAAATATT
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GGGCGGTGCGACACGACGCAAGGAGACCCCATCGCGCCGGCCCTCACCTCAGGCGCGTGGCGTCTCT
GCTGGACTACGACAACGGCTCCATCGCCTTCTACGACGCTCTGAGCTCCGTCCACCTCCACACCTCCAC
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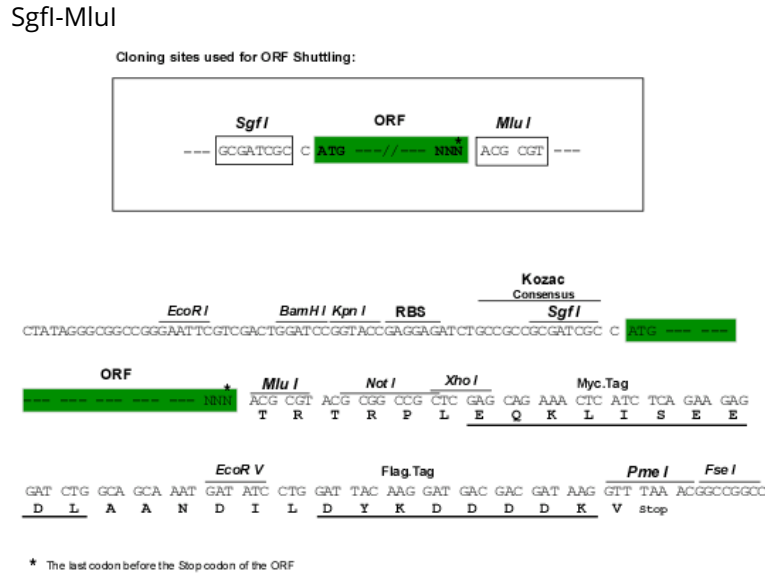
ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230828 representing NM_001290504
 Red=Cloning site Green=Tags(s)

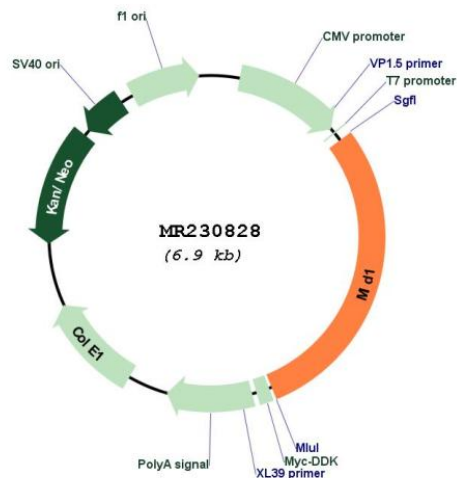
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 DGLKRNVTLQNIIDRFQKASVSGPNPSETRRERAFDANTMSSAEKVLQCFDQDPAQDAVKTCVTCEVS
 YCDECLKATHPNKKPFTGHRLIEPIPDSHIRGLMCLHEHEDEKVNMYCVTDDQLICALCKLVGRHRDHQVA
 ALSERYDKLKQNLNSLNLIKRNTELETLLAKLIQTCQHVEVNASRQEAKLTEECDLLIEIIQRRQII
 GTKIKEGKVIRLRKLAQQIANCKQCLERSASLISQAESLKENDEHARFLQTAKNITERVSMATASSQVLI
 PEINLNDTFDFALDFSREKLLLECLDYLTAPNPPAIREELCTASYDTITVHWTSEDEF SVVSYELQYTI
 FTGQANVVSCLNSADSWMIVPNIKQNHVTVHGLQSGTKYIFTVKAINQAGRSSEPGKLTNSQPFRDLP
 KSAHRKLVSHDNLTVRDESSSKSHAPERFAGQGSYGVAGNVFIDSGRHYWEVVTSGSTWYAIGLAYR
 SAPKHEWIGKNAASWALCRCHNHAVRHDGKETPIAPAPHLRRVGVLLDYDNGSIAFYDALSSVHLHTFH
 AALAQPVCPTFTVWNKCLTIVTGLPIPDLDCTEQRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
Cloning Scheme:



Plasmid Map:



ACCN: NM_001290504

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_001290504.1](#), [NP_001277433.1](#)

RefSeq Size: 3714 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]