

Product datasheet for **MR230028**

Mid1 (NM_001290512) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mid1 (NM_001290512) 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:

>MR230028 representing NM_001290512
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCTTGCACAAGGATGCATTTTCAAAGCTTGACACTGAGCAAACTTGGAGAGTAATCTCACCAATC
 TTATTAAGAGAAAACAGAACTGGAGACTCTTTGGCTAAACTCATCCAACTTGTCAACATGTTGAAGT
 CAATGCATCCCGTCAAGAAGCCAACTGACAGAAGAATGTGATCTTCTCATTGAAATCATTACAGCAACGA
 AGACAAATTATTGGAACAAAGATTAAAGAAGGCAAGGTGATCAGGCTCCGCAAGTTAGCTCAGCAGATTG
 CAAACTGTAAACAGTGCCTTGAGAGGTCTGCATCGCTCATCTCGCAAGCGGAGCACTCGTGAAAGAAAA
 TGACCACGCCGTTTTCTACAGACAGCAAGAATATCACTGAGAGAGTCTCCATGGCAACTGCATCTCC
 CAGGTCCTAATCCCGAAATCAACCTCAATGACACGTTTGACACTTTTGCCTTGGATTTTCCCGGGAGA
 AGAAACTGCTAGAATGTCTGGATTACCTAACAGCTCCCAACCCTCCGCGATTAGAGAAGAGCTCTGCAC
 CGTTCCTACGACACCATCACCGTCCACTGGACCTCAGAGGACGAGTTCCAGCGTGGTCTCCTACGAGCTC
 CAGTACACCATATTCACCGGACAAGCCAATGTTGTGAGTCTGTGTAACCTCGGCGGACAGCTGGATGATCG
 TGCCCAACATCAAGCAGAACCACTACACCGTGCACGGCCTGCAAAGTGGACCAAGTATATCTTACCGGT
 GAAGGCCATCAACCAGGCGGGCAGCCGTAGCAGCGAGCCCGAAAAGCTGAAGACCAACAGTCAGCCGTTT
 AGACTGGATCCCAATCGGCTCATCGCAAGCTGAAGGTGTCCCACGACAACCTGACTGTCGAGCGCGACG
 AGTCGCTCTAAGAAGAGTCACGCGCCGGAGCGCTTCGCTGGTACAGGGAGCTACGGAGTGGCTGGCAA
 CGTGTTCATCGACAGCGCCGCTCACTACTGGGAAGTGGTACCAGCGGAAGCACATGGTACGCCATCGGC
 CTGGCGTACAGATCGGCGCCGAAACACGAGTGGATCGGGAAGAACCGCGGCTCCTGGGCCCTCTGCCGCT
 GCCACAACCACTGGGCGGTGCGACACGACGGCAAGGAGACCCCATCGGCGCGGCCCTCACCTCAGGCG
 CGTCGGCGTCTGCTGGACTACGACAACGGCTCCATCGCTTCTACGACGCTCTGAGCTCCGTCACCTC
 CACACCTTCCACGCGGCTCGCGCAGCCGTGTGCCCACTTACCGTGTGGAACAAGTGTCTGACCA
 TCGTCACGGTCTGCCATCCCGGACCATCTGGACTGTACGGAGCAGCGACCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230028 representing NM_001290512
 Red=Cloning site Green=Tags(s)

MTLHKDAFSKLDTEQNLESNLTNLIKRNTELETLLAKLIQTCQHVEVNASRQEAKLTEECDLLIEIIQQR
 RQIIIGTKIKEGKVIIRLRLAQQIANCKQLERSASLISQAEHSLKENDHARFLQTAKNITERVSMATASS
 QVLIPEINLNDTFDFALDFSREKLLLECLDYL TAPNPPAIREELCTASYDTITVHWTSEDEF SVVSYEL
 QYTI FTGQANVSL CNSADSWMIVPNIKQNHVYVHGLQSGTKYIFTVKA INQAGSRSEPGKLTNSQPF
 RLDPKSAHRKLVSHDNL TVERDESSKK SHAPERFAGQGSYGVAGNVF IDSGRHYWEVVTSGSTWYAIG
 LAYRSAPKHEWIGKNAASWALCRCHNHAVRHDGKETPIAPAPHLRRVGVLLDYDNGSIAFYDALSSVHL
 HTFHAALAQPVCPFTFTVWNKCLTIVTGLPIPDHLDCTEQRP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

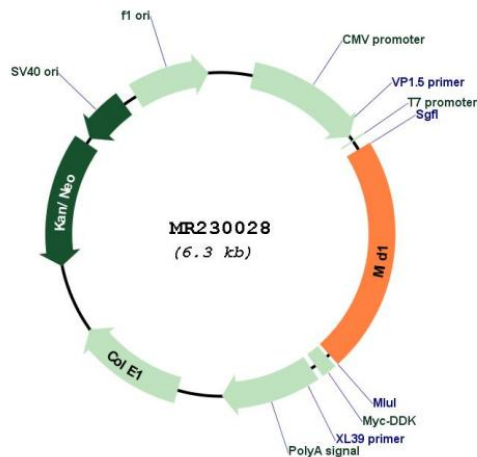
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290512

ORF Size: 1383 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_001290512.1](#), [NP_001277441.1](#)

RefSeq Size: 3158 bp

RefSeq ORF: 1386 bp

Locus ID: 17318

Cytogenetics: X 79.19 cM

MW: 52.3 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]