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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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>MC228523 representing NM_001290506
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAACACTGGAGTCGGAGCTGACCTGTCCTATTTGTCTGGAGCTTTTTGAGGACCCTCTCCTGCTTC
CCTGCGCACATAGCCTCTGCTTCAACTGTGCCCACCGAATCCTGGTCTCTCACTGTGCCACCAACGAGCC
TGTGGAGTCCATCAACGCCTTCCAGTGCCCCACCTGCCGGCATGTCATCACGCTCAGCCAGCGAGGTCTA
GACGGGCTCAAGCGCAACGTCACCCTCCAAAACATCATTGACAGATTTCAGAAAGCATCTGTGAGCGGGC
CCAACTCTCCCAGTGAGACCCGCAGGGAACGGGCCTTTGACGCCAACACCATGTCCTCTGCCGAGAAGGT
TCTCTGCCAGTTCTGTGACCAGGATCCTGCCCAGGATGCTGTGAAGACTTGCGTTACTTGTGAAGTGTCC
TACTGTGATGAGTGCCTGAAAGCCACTCATCCGAACAAGAAGCCCTTTACAGGCCATCGTCTGATTGAGC
CAATCCCGGACTCGCACATCCGGGGGCTGATGTGCCTGGAGCACGAGGATGAGAAGCAAAACTTGGAGAG
TAATCTCACCAATCTTATTAAGAGAAACACAGAACTGGAGACTCTTTTGGCTAAACTCATCCAAACTTGT
CAACATGTTGAAGTCAATGCATCCCGTCAAGAAGCCAAACTGACAGAAGAATGTGATCTTCTCATTGAAA
TCATTCAGCAACGAAGACAAATTATTGGAACAAAGATTAAAGAAGGCAAGGTGATCAGGCTCCGCAAGTT
AGCTCAGCAGATTGCAAACTGTAAACAGTGCCTTGAGAGGTCTGCATCGCTCATCTCGCAAGCGGAGCAC
TCGCTGAAGGAAAATGACCACGCCCGTTTTCTACAGACAGCAAAGAATATCACTGAGAGAGTCTCCATGG
CAACTGCATCCTCCCAGGTCCTAATTCCCGAAATCAACCTCAATGACACGTTTGACACTTTTGCCTTGGA
TTTTTCCCGGGAGAAGAAACTGCTAGAATGTCTGGATTACCTAACAGCTCCCAACCCTCCCGCGATTAGA
GAAGAGCTCTGCACCGCTTCCTACGACACCATCACCGTCCACTGGACCTCAGAGGACGAGTTCAGCGTGG
TCTCCTACGAGCTCCAGTACACCATATTCACCGGACAAGCCAATGTTGTCAGTCTGTGTAACTCGGCGGA
CAGCTGGATGATCGTGCCCAACATCAAGCAGAACCACTACACCGTGCACGGCCTGCAAAGTGGCACCAAG
TATATCTTCACGGTGAAGGCCATCAACCAGGCGGGCAGCCGTAGCAGCGAGCCCGGAAAGCTGAAGACCA
ACAGTCAGCCGTTTAGACTGGATCCCAAATCGGCTCATCGCAAGCTGAAGGTGTCCCACGACAACCTGAC
TGTCGAGCGCGACGAGTCGTCCTCTAAGAAGAGTCACGCGCCGGAGCGCTTCGCTGGTCAGGGGAGCTAC
GGAGTGGCTGGCAACGTGTTCATCGACAGCGGCCGTCACTACTGGGAAGTGGTCACCAGCGGAAGCACAT
GGTACGCCATCGGCCTGGCGTACAGATCGGCGCCGAAACACGAGTGGATCGGGAAGAACGCGGCGTCCTG
GGCCCTCTGCCGCTGCCACAACCACTGGGCGGTGCGACACGACGGCAAGGAGACCCCCATCGCGCCGGCC
CCTCACCTCAGGCGCGTCGGCGTCCTGCTGGACTACGACAACGGCTCCATCGCCTTCTACGACGCTCTGA
GCTCCGTCCACCTCCACACCTTCCACGCGGCGCTCGCGCAGCCCGTGTGCCCCACCTTCACCGTGTGGAA
CAAGTGTCTGACCATCGTCACGGGTCTGCCCATCCCGGACCATCTGGACTGTACGGAGCAGCGACCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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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.