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Product datasheet for RC229356

MID2 (NM_012216) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MID2 (NM_012216) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MID2
Synonyms:	FXY2; MRX101; RNF60; TRIM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC229356 representing NM_012216
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTGAAAGCCCAGCCTCCGTGGTTCTTAATGCCTCAGGAGGACTATTTTCACTAAAGATGGAAACAC
TGGAGTCTGAATTGACCTGTCCAATCTGCCTAGAGTTGTTTGAAGACCCCCTTCTGCTCCCTTGTGCTCA
CAGCCTCTGCTTCAGCTGTGCCCATCGCATTTTGGTATCAAGCTGCAGCTCTGGTGAATCCATTGAACCC
ATTACTGCTTTCCAGTGTCCTACCTGCAGGTATGTTATCTCGCTGAACCACCGGGGCCTGGATGGCCTCA
AGAGGAATGTGACTCTGCAGAACATTATTGATCGCTTCCAGAAGGCTTCAGTCAGTGGGCCCAATTCCCC
TAGTGAGAGCCGCCGGGAAAGGACTTACAGGCCCACCACTGCCATGTCTAGCGAGCGAATTGCTTGCCAA
TTCTGTGAGCAGGACCCGCCAAGGGATGCAGTAAAAACATGCATCACCTGTGAGGTCTCCTACTGTGACC
GTTGCCTGCGGGCCACGCACCCCAACAAGAAACCTTTCACCAGCCACCGCCTGGTGGAACCAGTGCCAGA
CACACATCTTCGAGGGATCACCTGCCTGGACCATGAGAATGAGAAAGTGAACATGTACTGTGTATCTGAT
GACCAATTGATCTGTGCCTTATGCAAACTGGTGGGTCGTCACCGAGACCATCAGGTCGCATCCCTGAATG
ATCGATTTGAGAAACTCAAGCAAACTCTGGAGATGAACCTCACCAACCTGGTTAAGCGCAACAGCGAACT
AGAAAATCAAATGGCCAAACTAATACAGATCTGCCAGCAGGTTGAGGTGAATACTGCTATGCATGAGGCA
AAACTTATGGAAGAATGTGACGAGTTGGTAGAGATCATCCAGCAGAGGAAGCAAATGATCGCTGTCAAAA
TCAAAGAGACAAAGGTTATGAAACTGAGAAAGTTGGCACAGCAGGTTGCTAATTGCCGCCAGTGTCTTGA
ACGGTCAACAGTCCTCATCAACCAAGCTGAGCATATCCTGAAAGAAAATGACCAGGCACGGTTTCTACAG
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AGGCTAACTTCATCAGTAAGTCATGGTGTAGTTGGGGCCTGTGGCCAGAGATAAGGAAATGTAAGGAAGC
AGTAAGCTGCTCAAGATTGGCCGGGGCGCCACGAGGCCTGTATAATTCAGTAGACAGCTGGATGATTGTT
CCCAACATTAAACAGAACCATTACACAGTGCATGGACTCCAGAGCGGGACTCGCTACATCTTCATCGTTA
AAGCCATAAACCAAGCCGGCAGCCGGAACAGTGAACCTACCCGACTAAAAACAAACAGCCAACCCTTTAA
ATTGGATCCCAAAATGACTCACAAGAAGTTGAAGATCTCCAATGATGGATTGCAGATGGAGAAGGATGAA
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TATTCATTGACAGTGGCTGCCACTATTGGGAGGTGGTCATGGGTTCCTCAACATGGTATGCAATTGGCAT
TGCCTACAAATCAGCTCCAAAGAATGAATGGATTGGCAAGAATGCCTCCTCATGGGTCTTCTCTCGCTGC
AATAGTAACTTCGTGGTGAGACACAACAACAAGGAAATGCTGGTGGATGTGCCCCCACACCTGAAGCGTC
TGGGTGTCCTCCTGGATTATGACAACAATATGCTGTCTTTCTATGACCCAGCTAACTCTCTCCATCTTCA
TACTTTTGATGTGACCTTCATTCTTCCAGTTTGTCCAACATTTACAATCTGGAACAAATCCCTAATGATC
CTGTCTGGCTTGCCTGCCCCAGATTTTATTGATTACCCTGAGCGGCAGGAATGCAACTGCAGGCCTCAAG
AATCCCCTTATGTTTCTGGGATGAAAACCTGTCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC229356 representing NM_012216
Red=Cloning site Green=Tags(s)

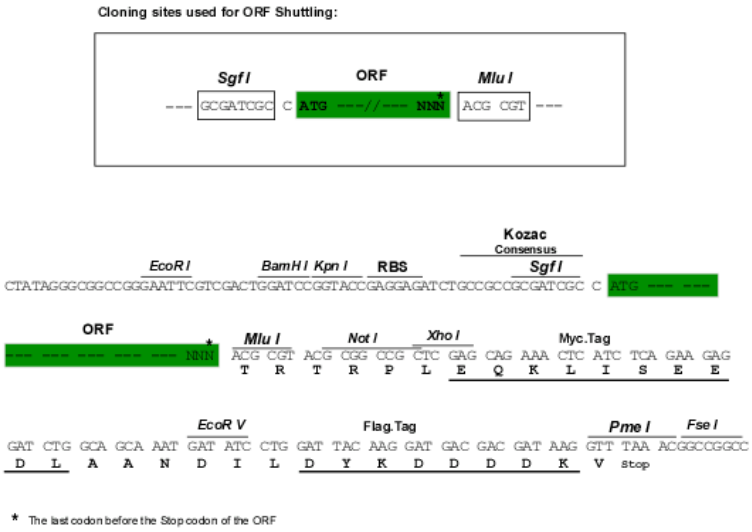
MGESPASVVLNASGGLFSLKMETLESELTCPICLELFEDPLLLPCAHSLCFSCAHRILVSSCSSGESIEP
ITAFQCPTCRYVISLNHRGLDGLKRNVTLQNIIDRFQKASVSGPNSPSESRRERTYRPTTAMSSERIACQ
FCEQDPPRDAVKTCITCEVSYCDRCLRATHPNKKPFTSHRLVEPVPDTHLRGITCLDHENEKVNMYCVSD
DQLICALCKLVGRHRDHQVASLNDRFEKLKQTLEMNLTNLVKRNSELENQMAKLIQICQQVEVNTAMHEA
KLMEECDELVEIIQQRKQMIAVKIKETKVMKLRKLAQQVANCRQCLERSTVLINQAEHILKENDQARFLQ
SAKNIAERVAMATASSQVLIPDINFNDAFENFALDFSREKKLLEGLDYLTAPNPPSIREELCTASHDTIT
VHWISDDEFSISSYELQYTIFTGQANFISKSWCSWGLWPEIRKCKEAVSCSRLAGAPRGLYNSVDSWMIV
PNIKQNHYTVHGLQSGTRYIFIVKAINQAGSRNSEPTRLKTNSQPFKLDPKMTHKKLKISNDGLQMEKDE
SSLKKSHTPERFSGTGCYGAAGNIFIDSGCHYWEVVMGSSTWYAIGIAYKSAPKNEWIGKNASSWVFSRC
NSNFVVRHNNKEMLVDVPPHLKRLGVLLDYDNNMLSFYDPANSLHLHTFDVTFILPVCPTFTIWNKSLMI
LSGLPAPDFIDYPERQECNCRPQESPYVSGMKTCH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1863_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012216

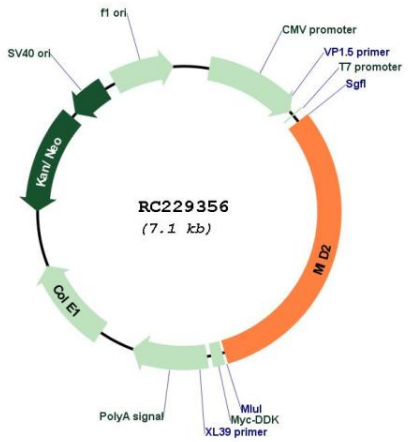
ORF Size: 2205 bp

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_012216.4
RefSeq ORF:	2208 bp
Locus ID:	11043
UniProt ID:	Q9UJV3
Cytogenetics:	Xq22.3
Domains:	zf-B_box, RING, BBC, SPRY, FN3
Protein Families:	Druggable Genome
MW:	83 kDa
Gene Summary:	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to microtubular structures in the cytoplasm. Alternate splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Feb 2009]

Product images:



Circular map for RC229356