

Product datasheet for **RG229356**

MID2 (NM_012216) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MID2 (NM_012216) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MID2
Synonyms:	FXY2; MRX101; RNF60; TRIM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG229356 representing NM_012216
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGTGAAAGCCAGCCTCCGTGGTTCTTAATGCCTCAGGAGGACTATTTTCACTAAAGATGGAACAC
 TGGAGTCTGAATTGACCTGTCCAATCTGCCTAGAGTTGTTTGAAGACCCCTTCTGCTCCCTTGTGCTCA
 CAGCCTCTGCTTCACTGTGCCATCGCATTGTTGATCAAGCTGCAGCTCTGGTGAATCCATTGAACCC
 ATTACTGCTTCCAGTGTCTACCTGCAGGTATGTTATCTCGCTGAACCACCGGGCCTGGATGGCCTCA
 AGAGGAATGTGACTCTGCAGAACATTATTGATCGCTTCCAGAAGGCTTCAGTCAGTGGGCCAAATCCCC
 TAGTGAGAGCCGGGAAAGGACTTACAGGCCACCCTGCCATGTCTAGCGAGCGAATTGCTTGCCAA
 TTCTGTGAGCAGGACCCGCAAGGGATGCAGTAAAAACATGCATCACCTGTGAGGTCTCCTACTGTGACC
 GTTGCTCGGGCCACGCACCCCAACAAGAAACCTTTACCAGCCACCGCTGGTGAACCAAGTCCAGA
 CACACATCTTCGAGGGATCACCTGCCTGGACCATGAGAATGAGAAAGTGAACATGTACTGTGATCTGAT
 GACCAATTGATCTGTGCCTTATGCAAACTGGTGGTCTGCACCGAGACCATCAGTTCGCATCCCTGAATG
 ATCGATTTGAGAACTCAAGCAAACTCTGGAGATGAACCTCACCAACCTGGTTAAGCGCAACAGCGAACT
 AGAAAAACAATGGCCAACTAATACAGATCTGCCAGCAGGTTGAGGTGAATACTGCTATGCATGAGGCA
 AAATTTATGGAAGATGTGACGAGTTGGTAGAGATCATCCAGCAGAGGAAGCAATGATCGCTGTCAAAA
 TCAAAGAGACAAAGGTTATGAACTGAGAAAGTTGGCAGCAGGTTGCTAATTGCCGCCAGTGTCTTGA
 ACGGTCAACAGTCTCATCAACCAAGCTGAGCATATCTGAAAGAAAATGACCAGGCACGGTTTCTACAG
 TCTGCAAAAAATATTGCTGAGAGGGTCGCTATGGCAACTGCATCTTCTCAAGTTCTGATTCCAGACATCA
 ATTTTAAATGATGCCTTTGAAAACCTTTGCTTTAGATTTTTTCCAGAGAAAAGAACTGCTAGAGGGTTAGA
 TTATTTAACAGCCCCAAACCCACCATCTATCCGAGAAGAACTCTGTACTGCCTCCCATGACACCATTACA
 GTCCACTGGATCTCGGATGATGAGTTCAGCATCAGCTCCTATGAGCTTCACTACACCATATTCAGTGGCC
 AGGCTAACTTCATCAGTAAGTCATGGTGTAGTTGGGGCCTGTGGCCAGAGATAAGGAAATGTAAGGAAGC
 AGTAAGCTGCTCAAGATTGGCCGGGGCCACGAGGCCTGTATAATTCACTAGACAGCTGGATGATTGTT
 CCCAACATTAACAGAACCATTACACAGTGCATGGACTCCAGAGCGGGACTCGCTACATCTTCATCGTTA
 AAGCCATAAACCAAGCCGGCAGCCGGAACAGTGAACCTACCCGACTAAAAACAACAGCCAAACCTTTAA
 ATTGGATCCCAAATGACTCACAAGAAGTTGAAGATCTCCAATGATGGATTGCAGATGGAGAAGGATGAA
 AGCTCTCTAAAGAAGAGCCACACCCAGAGAGGTTTGTGGCACAGGGTCTATGGGGCAGCAGGAAATA
 TATTCATTGACAGTGGCTGCCACTATTGGGAGGTGGTCAATGGGTTCTCAACATGGTATGCAATTGGCAT
 TGCCATAAAATCAGTCCAAAGAATGAATGGATTGGCAAGAATGCCTCCTCATGGGTCTTCTCTCGCTGC
 AATAGTAACTTCGTGGTGGAGACACAACAAGGAAATGCTGGTGGATGTGCCCCACACCTGAAGCGTC
 TGGGTGCTCCTCGGATTATGACAACAATGCTGTCTTTCTATGACCCAGCTAACTCTCTCCATCTTCA
 TACTTTTGATGTGACCTTCACTTCCAGTTTGTCCAACATTTACAATCTGGAACAAATCCCTAATGATC
 CTGTCTGGCTTGCTGCCAGATTTTATTGATTACCTGAGCGGCAGGAATGCAACTGCAGGCCTCAAG
 AATCCCCCTATGTTTCTGGGATGAAAACCTGTCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229356 representing NM_012216
 Red=Cloning site Green=Tags(s)

MGESPASVVLNASGGLFSLKMETLESELTCPICLELFEDPLLLPCAHSFCSCAHRILVSSCSSGESIEP
 ITAFQCPTCRYVISLNRGLDGLKRNVTLQNIIDRFQKASVSGPNSPSESRRTYRPTTAMSSERIAQ
 FCEQDPPRDAVKTCITCEVSYCDRCLRATHPNKKPFTSHRLVEVPDTHLRGITCLDHENEKVNMYCVSD
 DQLICALCKLVGRHRDHQVASLNDRFELKQTLNMLNLVKNRSELENQMAKLIQICQQVEVNTAMHEA
 KLMEECDELVEIIQQRKQMIAVKIKETKVMKLRKLAQQVANCRCLESTVLINQAEHILKENDQARFLQ
 SAKNIAERVAMATASSQVLIPDINFNDAFENFALDFSREKLLLEGLDYLTA PNPPIREELCTASHDTIT
 VHWISDDEFSISSYELQYTI FTGQANFISKSWCSWGLWPEIRKCKEAVSCSRLAGAPRGLYNSVDSWMI
 V PNIKQNHVTVHGLQSGTRYIFIVKAINQAGSRNSEPTRLKNSQPFLDPKMT HKKLKISNDGLQMEKDE
 SSLKKSHTPERFSGTGCGYGAAGNIFIDSGCHYWEVVMGSSTWYAIGIAYKSAPKNEWIGKNASSWVFSRC
 NSNFVVRHNNKEMLVDPVPHLKRGLVLLDYDNNMLSFYDPANSLHLHTFDVTFILPVCPTFTIWNKSLMI
 LSGLPAPDFIDYPERQECNCRPQESPYVSGMKTCH

TRTRPLE - GFP Tag - V

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 Size: 7345 bp

RefSeq ORF: 2208 bp

Locus ID: 11043

UniProt ID: [Q9UJV3](#)

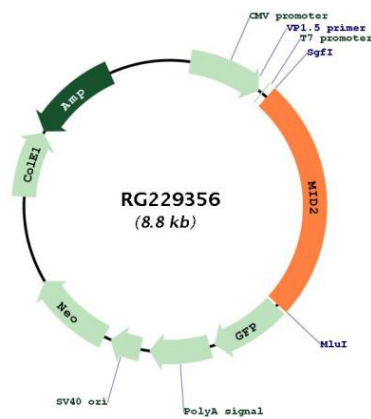
Cytogenetics: Xq22.3

Domains: zf-B_box, RING, BBC, SPRY, FN3

Protein Families: Druggable Genome

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 RG229356