

## Product datasheet for **SC115493**

### MID2 (NM\_012216) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MID2 (NM_012216) Human Untagged Clone
Tag:	Tag Free
Symbol:	MID2
Synonyms:	FXY2; MRX101; RNF60; TRIM1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_012216, the custom clone sequence may differ by one or more nucleotides

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ATGGGTGAAAGCCCAGCCTCCGTGGTTCTTAATGCCTCAGGAGGACTATTTTCACTAAGATGGAAACAC
TGGAGTCTGAATTGACCTGTCCAATCTGCCTAGAGTTGTTTGAAGACCCCTTCTGCTCCCTTGTGCTCA
CAGCCTCTGCTTCAGCTGTGCCATCGCATTTTGGTATCAAGCTGCAGCTCTGGTGAATCCATTGAACCC
ATTACTGCTTTCAGTGTCTACCTGCAGGTATGTTATCTGCTGAACCACGGGGCCTGGATGGCCTCA
AGAGGAATGTGACTCTGCAGAACATTATTGATCGCTTCCAGAAGGCTTCAGTCAGTGGGCCCAATCCCC
TAGTGAGAGCCGCGGGAAAGGACTTACAGGCCACCCTGCCATGTCTAGCGAGCGAATTGCTTGCCAA
TTCTGTGAGCAGGACCCGCCAAGGGATGCAGTAAAAACATGCATCACCTGTGAGGTCTCCTACTGTGACC
GTTGCCTCGGGCCACGCACCCCAACAAGAAACCTTTACCAGCCACCGCCTGGTGAACCAGTCCAGAG
CACACATCTTCGAGGGATCACCTGCCTGGACCATGAGAATGAGAAAGTGAACATGTACTGTGTATCTGAT
GACCAATTGATCTGTGCCTTATGCAAACGGTGGGTCGTCACCGAGACCATCAGGTGCGATCCCTGAATG
ATCGATTTGAGAACTCAAGCAAACCTGAGAGATGAACCTCACCAACCTGGTTAAGCGCAACAGCGAACT
AGAAAATCAAATGGCCAAACTAATACAGATCTGCCAGCAGGTTGAGGTGAATACTGCTATGCATGAGGCA
AACTTATGGAAGAATGTGACGAGTTGGTAGAGATCATCCAGCAGAGGAAGCAAAATGATCGCTGTCAAAA
TCAAAGAGACAAAGGTTATGAAACTGAGAAAGTTGGCACAGCAGGTTGCTAATTGCCGCCAGTGTCTTGA
ACGGTCAACAGTCTCATCAACCAAGCTGAGCATATCCTGAAAGAAAATGACCAGGCACGGTTTCTACAG
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GTCCACTGGATCTCGGATGATGAGTTCAGCATCAGCTCCTATGAGCTTCAGTACACCATATTCAGTGGCC
AGGCTAATTCATCAGTAAGTCATGGTGTAGTTGGGGCCTGTGGCCAGAGATAAGGAAATGTAAGGAAGC
AGTAAGCTGCTCAAGATTGGCCGGGGCCACGAGGCCTGTATAATTCAGTAGACAGCTGGATGATTGTT
CCCAACATTAACAGAACCATTACACAGTGCATGGACTCCAGAGCGGGACTCGCTACATCTTCATCGTTA
AAGCCATAAACCAAGCCGGCAGCCGGAACAGTGAACCTACCCGACTAAAAACAACAGCCAAACCCTTAA
ATTGGATCCCAAAATGACTCACAAGAAGTTGAAGATCTCCAATGATGGATTGCAGATGGAGAAGGATGAA
AGCTCTCTAAAGAAGAGCCACACCCAGAGAGGTTTGTGGCACAGGGTGTATGGGGCAGCAGGAAATA
TATTCATTGACAGTGGCTGCCACTATTGGGAGGTGGTCATGGGTTCTCAACATGGTATGCAATTGGCAT
TGCTACAAATCAGCTCCAAAGAATGAATGGATTGGCAAGAATGCCTCCTCATGGTCTTCTCTCGCTGC
AATAGTAACTTCGTGGTGGAGACACAACAAGGAAATGCTGGTGGATGTGCCCCACACCTGAAGCGTC
TGGGTGTCCTCCTGGATTATGACAACAATATGCTGTCTTCTATGACCCAGCTAACTCTCTCCATCTTCA
TACTTTTGATGTGACCTTATTCTCCAGTTTGTCCAACATTTACAATCTGGAACAAATCCCTAATGATC
CTGTCTGGCTTGCTGCCCCAGATTTTATTGATTACCCTGAGCGGCAGGAATGCAACTGCAGGCCTCAAG
AATCCCCCTTATGTTTCTGGGATGAAAACCTGTCATTAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_012216 unedited</p> <pre>CTATAGGGCGCCGCAATTCGGCACGAGGGACAGTGTGGTGCTGCCGTGGTGTGTCATGGT GCTGCCCTGGACTGAGGGGCGAAAACCTTAAAGTTTAGCTCGGGAGGCCAGCTGCGGT AGCATCGCGGCCCGCTGCTGTCCCTGCGGGGCGCGGGGTGGCGGATCCCGGCTGCT GCGCGCGTGGCGACGGTAGCGGCAGCGGGCGGAAGGCGGGCGCGGCTACAGTGGT AGCGGGCGGGCGGACCGGGGCCGGAGCTCGCGCCGAGCCGAGCCAACCCGCTG CGGAGGCAGACGAGAGCCAGCCCTCGAGCGAGCGGAGGAGATGGCTGGCACCTGNGA ACGCTATGGGTGAAAGCCAGCCTCCGTGGTTCTTAATGCCTCAGGAGGACTATTTTAC TAAAGATGAAACACTGGAGTCTGAATTGACCTGTCCAATCTGCCTAGAGTTGTTTGAAG ACCCCTTCTGCTCCCTTGTGCTCACAGCCTCTGCTTCAGCTGTGCCATCGCATTNTGG TATCAAGTGCAGCTCTGGTGAATCCATTGAACCCATTACTGCTTCCAGTGTCTACCT GCANGTATGTTATCTCGCTGAACCACCGGNGCCTGGATGGCCTCAGAGGAATGTGACTCT GCAGACATTATTGATCGCTTNCAGAAGGCTCAGTCACTGGGCCCAATCCCTAGTGAGAA GCGNCGGAAAGGACTACANGCCACCCTGNCATGTCTAGCGAGCGAATNGCTTGCCA NTCTGTGAGCAGGACCCGCGAGGATGCAGTAAAACATGCATCACTGTGNAGTCTCTACT GTGACCCGTGCTGCGGCCACGCACCCACAGAAACCTTNACCAGNACCCGNCTGGTGGA ACCAGTNGCAGACCCATCTTNNAGGGATCACTGNNCTGACATGAAATANAAGGGACTGT ACTGGGATCTGAGACCAATGAACTGGCTTATCACCGGTGGGGCGNACCAACCTGAGTCG ATCCGATGACGATNGAACTCAGCACTGGAATAAACTACACTGTTA</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_012216 unedited</p> <pre>GGCCGCAATCTANAGTCGAGNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGAGCCTCA AACAACTTTATTTTGTGCTCGTATATTGAACGCTAACTTAAGTGAAGAGGGGAAAAA CTGCTGAACTAAAGAGCCAGTGAATTATATACTCTCTGAACTTAATGACAGGTTTTCA TCCAAAAACATAAGGGGATTCTTGAGGCCTGCAGTTGCATTCTGCCGCTCAAGTAAT CAATAAAATCTGGGGCAGGCAAGCCAAACAGGATCATTAGGGATTTGTTCCAAATGTAA ATGTTGGACAACTGGAAAAATGAAGGGCACATCAAAAGTATGAAGATGGAGAGAGTTAG CTGGGTCAAAAAAGACAGCATATTGTTGCATAATCCAGGAGGACACCCAGACGCTTCA GGTGTGGGGGCACATCCACCAACATTTCCCTTGGTGTGTGCTCACACCAAGTTACTAT TGCAGCGAGAGAAGCCATGAGGAGGCATTCTTGCCAATCCATTCTTTGGAGCTG ATTTGTAGGCAATGCCAATTGCATACCATGTTGAGGAACCCCTGACCACCTCCAATAGT GGCAGCCACTGTCAATGAATATATTTCTGCTGCCCCATAACACCCCTGTGCCACTAAAC CTCTCTGGGGGTGGGCCCTTTAGAAAAGCTTTCATCCTTCTCCATTTGAAATCATCA TCGGAACCCTCAACCTCTGGGACTATTTTTGGACCAATTTAAACGCGCGGCCCGCCCT TCTTATCCCGCAACGGTACTGTCCCGNTTCCCGCTGGGTTATGCGCTTAAACAATAAA AACCAATCAGTTCCTCTGAGATCCCGCCCTGGACAGGGTCTTTTACAGCTGGGA CAACCTTCCCTCGTTTCTCATATACACGCTCTTAAAATATTCTGCCCCCACCCTGCT CCTGAAATTTACACCCT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_012216
<b>Insert Size:</b>	2500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012216.2</a> , <a href="#">NP_036348.1</a>
<b>RefSeq Size:</b>	7345 bp
<b>RefSeq ORF:</b>	2148 bp
<b>Locus ID:</b>	11043
<b>UniProt ID:</b>	<a href="#">Q9UJV3</a>
<b>Cytogenetics:</b>	Xq22.3
<b>Domains:</b>	zf-B_box, RING, BBC, SPRY, FN3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>