

## Product datasheet for **MC220736**

### **Mdm1 (NM\_148922) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mdm1 (NM_148922) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mdm1
Synonyms:	Arrd2; Mdm-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220736 representing NM\_148922  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCGGTGCCTTCAAGGGCTGAGTGAATACCAGAGAACTTCTGTGAAAAAGTCCTATTTGTCAG  
 AGTCTTATAATCCCTCAGTGGGACAAAAGTACTCATGGGCAGGACTTAGATCGGATCAGTTGGGGATCAC  
 GAAAGAACCAGGTTTTATTTCAAAAAGAAGAGTCCCTACCATGACCCTCAGATTTCAAAAATACCTGGAG  
 TGGAACGGAACCGTCAGAAAAGAAGGATACGCTTGTCCCACCAGAACCCAGGCCTTTGGAACGCCAAAGC  
 CACAAGAGGCTGAGCAAGGAGAAGATGCCAATCAAGAAGCAGTTCTCTACTAGAGGCCTCCAGGTTCC  
 CAAGAGAACTCGGTCTATTCTGCGGACTCGAGAGCTGAAGGGTTTTCAGACACTGTGAAAAAGCACCGAG  
 GGTGTCACGAGAAGCCATGCGCCAGTTAGCGCGGATGTGGAGCTGAGACCTCCAGCAAACACCTCTCT  
 CCCAGAGCATAGATCCCAGTTGGATAGGCATCTTCGTAAGAAAGCTGGATTGGCCGTTGTTCCCACGAA  
 TAATGCCTTGAGAAATTTGAATACCAAAGGCAGTTTGTGGAAAGACTTCTAAAGAAAGCGCTCCAGTG  
 TTTGCATCCAATCAGTTTTCCGTAATAAAAGCCAAATTATTCCACAGTTCCAAGGCAATACATTCACCC  
 ACGAGACTGAATACAAGCGAAATTTCAAGGGTTAACTCCAGTGAAGGAACCAAAGTCAAGAGAGTATTT  
 GAAAGGAAACAGCAGTCTGGAGATGCTGACTCCAGTAAAGAAGGCAGATGAGCCTTTAGACTTAGAAGTA  
 GACATGGCGTCGGAAGACTCAGACCAGTCTGTAAGAAGCCTGCTTATGGAGACACCAAAGGCTTGGA  
 AAGTGAATTTGAAATATAGAGCAAAGTTCTGAGCCCAGCCAGTATTTCTATAAAGCTGGAGCTTGGA  
 CCGGGTGAAGGAGAACCTGTCAAACCAGTTAAGGAGCTCCGAGAAAAGGCCGAATCTTACAGGAAGCGA  
 GTTCAGGGGACACATTTTCTCGGGACCATCTGAACCAGATTATGTCGGACAGCAACTGCTGTTGGGACG  
 TCTCCTCAGTACAAGCTCGGAAGGCACCGTCAGTAGCAACATCCGAGCACTGGATCTTGGCTGGAGACT  
 TACAAACCACAGGACCCCCAGAAAACACCTCCTACCAAAGTGAAGAAAAGAAAAGTTGCTCGGGAGAG  
 CAGCCCTGAAAAACTCCACCAGGAGACTGGAGATGCCAGAGCCTGCCGCTCGGTGAGGAGGAAGCTGG  
 CTTGGGATGCTGAGGAGAGCACGAAGGAAGACACCAGGAGGAGCCAGGGCGGAGGAGACGGGAGAGA  
 GGAGAGAGGACAGGACAAGCAGACCTGTGCGGTAGAGCTGGAGAAACCGGACACACAGACACCCAAGGCA  
 GACAGACTGACAGAAGGGTCGGAGACATCTTCTGTTTCTCAGGGAAGGGAGGCAGGCTTCTACACCGA  
 GGCTGAGAGAACTCGGTATCCAGCGGACGCACCATGATCTCACGACGCCAGCTGTTGGTGGCGCAGTCTT  
 AGTGTCTCCATCTAAAGTGAAGCCACCAGGCTCGAGCAGAGGAGGAGAGCGTCTCCCAAGATGGCTTA  
 GAAACTCTGAAGAAAGACATTAAGAAAGGAAAACCCCGTCCCATGTCTCTGTTGACTTCTCCGCTG  
 CTGGCATGAAGACAGTTGATCCCCTGCCTCTGCGAGAAGACTGTGAAGCCAATGTGCTCAGATTTGCTGA  
 TACTCTTCTGTTTCGAAAATTTTGACCCGTCAGCCAGCACCCCTGGGAGCTGCCTCCATGTGCCCCG  
 CCTTACTGTATCCGTCAGCAGGATCCAGGGCCGCTGCGAGACCCTGAGTTTCAGCACAAATGGGAA  
 AACCCAGGACGAACAATTTGCAGCTACATCCACACGATGCCTTTAATGATGAAGATGCAGATAGACTGTC  
 TGAGATCTCTGCTCGCTGTCAGTTTCCAGCCTCCGGGCTTCCAGACTCTAGCCCGAGCTCAGAAAAGA  
 AAGGAGAATTTCTGGGCAAGCCAT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_148922

**Insert Size:** 2127 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).

<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>	<u>NM_148922.3, NP_683724.2</u>
<b>RefSeq Size:</b>	3131 bp
<b>RefSeq ORF:</b>	2127 bp
<b>Locus ID:</b>	17245
<b>UniProt ID:</b>	<u>Q9D067</u>
<b>Cytogenetics:</b>	10 66.65 cM
<b>Gene Summary:</b>	<p>Microtubule-binding protein that negatively regulates centriole duplication. Binds to and stabilizes microtubules.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate in-frame exon in the 3' end of the coding region compared to variant 1. This results in a longer protein (isoform 2) compared to 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>