

## Product datasheet for **MR216494**

### **Mdm1 (NM\_001162904) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mdm1 (NM_001162904) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mdm1
Synonyms:	Arrd2; Mdm-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR216494 representing NM\_001162904  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCGTCGCTTCAAGGGCTGAGTGAATACCAGAGAACTTCTGTGGAAAAAGTCCTATTTGTCAG  
 AGTCTTATAATCCCTCAGTGGGACAAAAGTACTCATGGGCAGGACTTAGATCGGATCAGTTGGGGATCAC  
 GAAAGAACCAGGTTTTATTTCAAAAAGAAGAGTCCCTACCATGACCCTCAGATTTCAAAAACCTGGAG  
 TGGAACGGAACCGTCAGAAAAGAAGGATACGCTTGTCCCACCAGAACCCAGGCCTTTGGAACGCCAAAGC  
 CACAAGAGGCTGAGCAAGGAGAAGATGCCAATCAAGAAGCAGTTCTCTACTAGAGGCCTCCAGGTTCC  
 CAAGAGAACTCGGTCTATTCTGCGACTCGAGAGCTGAAGGGTTTCAGACACTGTGAAAAAGCACCGAG  
 GGTGTACGAGAAGCCATGCGCCAGTTAGCGCGGATGTGGAGCTGAGACCTCCAGCAAACACCTCTCT  
 CCCAGAGCATAGATCCCAGTTGGATAGGCATCTTCGTAAGAAAGCTGGATTGGCCGTTGTTCCCACGAA  
 TAATGCCTTGAGAAATCTGAATACCAAAGGCAGTTTGTGGAAAGACTTCTAAAGAAAGCGCTCCAGTG  
 TTTGCATCCAATCAGTTTTCCGTAATAAAAGCCAAATTATTCCACAGTTCCAAGGCAATACATTACCC  
 ACGAGACTGAATACAAGCGAAATTTCAAGGGTTAACTCCAGTGAAGGAACCAAAGTCAAGAGAGTATTT  
 GAAAGGAAACAGCAGTCTGGAGATGCTGACTCCAGTAAAGAAGGCAGATGAGCCTTTAGACTTAGAAGTA  
 GACATGGCGTCGGAAGACTCAGACCAGTCTGTAAGAAGCCTGCTTTCATGGAGACACCAAAGGCTTGAA  
 AAGTGAATTTGAAATATAGAGCAAAGTTCTGAGCCCAGCCAGTATTTCTATAAAGCTGGAGCTTGAC  
 CCGGGTGAAGGAGAACCCTGTCAAACCAGGGTCTCTAAATGCCATGTGGTATGCAGAGTTAAGGAGCTC  
 CGAGAAAAGGCCGAATCTTACAGGAAGCAGTTTACGGGGACACATTTTCTCGGGACCCTCTGAACCAGA  
 TTATGTCCGACAGCAACTGCTGTTGGGACGTCTCCTCAGTCAACAAGCTCGGAAGGCACCGTCAAGCAA  
 CATCCGACTGGATCTTGTCTGGAGACCTTACAACCACAGGACCCCCAGAAAACCCCTCCTACCAAAA  
 CTAGAAGAAAGAAAAGTTGCCTCGGAGAGCAGCCCTGAAAACTCCACCAGGAGACTGGAGATGCCAG  
 AGCCTGCCGCTCGTTCAGGAGGAAGCTGGCTTGGGATGCTGAGGAGAGCACGAAGGAAGACACCCAGGA  
 GGAGCCCAGGGCGGAGGAGGACGGGAGAGAGGAGAGGACAGGACAAGCAGACCTGTGCGGTAGAGCTG  
 GAGAAACCGGACACAGACACCAAGGCAGACAGACTGACAGAAGGTCGGAGACATCTTCTGTTTCT  
 CAGGGAAGGGAGGACGGCTTCTACACCGAGGCTGAGAGAAGCTCGGTATCCAGCGGACGCACCATGATCT  
 CACGACGCCAGCTGTTGGTGGCGCAGTCTTAGTGTCTCCATCTAAAGTGAAGCCACCAGGCTCGAGCAG  
 AGGAGGAGAGCGTCTCCAAGTGGCTTAGAAACTCTGAAGAAAGACATTACTAAGAAAGGAAAACCCC  
 GTCCCATGTCTGTTGACTTCTCCGGCTGCTGGCATGAAGACAGTTGATCCCCTGCCTCTGCGAGAAGA  
 CTGTGAAGCCAATGTGCTCAGATTTGCTGATACTTCTCCTGTTTCGAAAAATTTGGACCGTCAGCCCAGC  
 ACCCTGGGCAGCTGCCTCCATGTGCCCGCCTTACTGTCCATCCGTCAGCAGGATCCAGGGCCGCTGTC  
 GAGACCTGAGTTTCAGCACAACATGGGAAAACCCAGGACGAACAATTTGCAGCTACATCCACACGATGC  
 CTTTAATGATGAAGATGCAGATAGACTGTCTGAGATCTGCTCGCTCTGCAGTTTCCAGCTCCGGGCT  
 TTCCAGACTCTAGCCCGAGCTCAGAAAAGAAAGGAGAATTTCTGGGGCAAGCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR216494 representing NM\_001162904  
 Red=Cloning site Green=Tags(s)

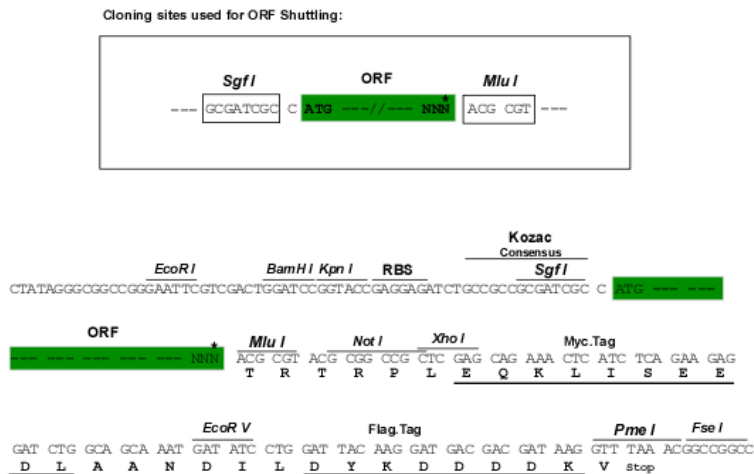
```
MPVRFKGLSEYQRNFLWKKSYLESYNPSVQKYSWAGLRSDQLGITKEPGFISKRRVPYHPDQISKYLE
WNGTVRKKDTLVPPEQAFGTPKPQAEQGEDANQEAVLSLEASRVPKRTRSHSADSRAEAGVSDTVEKHQ
GVTRSHAPVSADVELRPSSKQPLSQSIDPRLDRHLRKKAGLAVPTNNALRNSEYQRQFVWKTSKESAPV
FASNQVFRNKSQIIPQFQGNFTHETEKRNFKGLTPVKEPKSREYLKGNSSLEMLTPVKKADEPLDLEV
DMASESDQSVKPPASWRHQRLGKVNSEYRAKFLSPAQYFYKAGAWTRVKENLSNQGSLNAMWYAEVKEL
REKAESYRKRQVGFTHSRDHLNQIMSDSNCCWDVSSVTSSEGTVSSNIRALDLAGDLTNHRTPQKHPPTK
LEERKVASGEQPLKNSTRRLEMPEPAASVRRKLAWDAAEESTKEDTQEPRAEEDGREERGQDKQTCAVEL
EKPDTQTPKADRLTEGSETSSVSSGKGGRLPTPRLRELGIQRTHHDLTPAVGGAVLVSPSKVPPGLEQ
RRRASSQDGLLETKKIDITKKGKPRPMSLLTSPAAGMKTVDPLPLREDCEANVLRFADTLPVSKILDRQPS
TPGQLPPCAPPYCHPSSRIQGRLRDPFQHNMGKPRNTNQLPHPHDAFNDEDADRLSEISARSAVSSLRA
FQTLARAQKRKENFWGKP
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9094\\_f06.zip](https://cdn.origene.com/chromatograms/mm9094_f06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

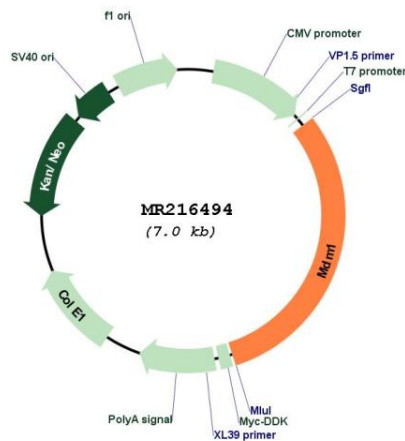
**ACCN:** NM\_001162904

**ORF Size:** 2154 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.

<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_001162904.1, NP_001156376.1</u>
<b>RefSeq Size:</b>	3161 bp
<b>RefSeq ORF:</b>	2157 bp
<b>Locus ID:</b>	17245
<b>UniProt ID:</b>	<u>Q9D067</u>
<b>Cytogenetics:</b>	10 66.65 cM
<b>MW:</b>	80.8 kDa
<b>Gene Summary:</b>	Microtubule-binding protein that negatively regulates centriole duplication. Binds to and stabilizes microtubules.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MR216494