

Product datasheet for **MC220495**

Mdm1 (NM_010785) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm1 (NM_010785) 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: >MC220495 representing NM_010785
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGGTGCCTTCAAGGGCTGAGTGAATACCAGAAAACTCCTGTGAAAAAGTCCTATTTGTCAG
 AGTCTTATAATCCCTCAGTGGGACAAAAGTACTCATGGGCAGGACTTAGATCGGATCAGTTGGGGATCAC
 GAAAGAACCAGGTTTTATTTCAAAAAGAAGAGTCCCTACCATGACCCTCAGATTTCAAAAATACCTGGAG
 TGGAACGGAACCGTCAGAAAAGAAGGATACGCTTGTCCCACCAGAACCCAGGCCTTTGGAACGCCAAAGC
 CACAAGAGGCTGAGCAAGGAGAAGATGCCAATCAAGAAGCAGTTCTCTACTAGAGGCCTCCAGGTTCC
 CAAGAGAACTCGGTCTATTCTGCGGACTCGAGAGCTGAAGGGTTTCAGACACTGTGAAAAAGCACCGAG
 GGTGTCACGAGAAGCCATGCGCCAGTTAGCGCGGATGTGGAGCTGAGACCTCCAGCAAACACCTCTCT
 CCCAGAGCATAGATCCCAGTTGGATAGGCATCTTCGTAAGAAAGCTGGATTGGCCGTTGTTCCCACGAA
 TAATGCCTTGAGAAATCTGAATACCAAAGGCAGTTTGTGGAAAGACTCTAAAGAAAGCGCTCCAGTG
 TTTGCATCCAATCAGTTTTCCGTAATAAAAGCCAAATTATTCCACAGTTCCAAGGCAATACATTACCC
 ACGAGACTGAATACAAGCGAAATTTCAAGGGTTAACTCCAGTGAAGGAACCAAAGTCAAGAGAGTATTT
 GAAAGGAAACAGCAGTCTGGAGATGCTGACTCCAGTAAAGAAGGCAGATGAGCCTTTAGACTTAGAAGTA
 GACATGGCGTCGGAAGACTCAGACCAGTCTGTAAGAAGCCTGCTTATGGAGACACCAAAGGCTTGAA
 AAGTGAATTTCTGAATATAGAGCAAAGTTCTGAGCCCAGCCAGTATTTCTATAAAGCTGGAGCTTGAC
 CCGGTGAAGGAGAACCTGTCAAACCAGTTAAGGAGCTCCGAGAAAAGGCCAATCTTACAGGAAGCGA
 GTTCAGGGGACACATTTTCTCGGGACCATCTGAACCAGATTATGTCGGACAGCAACTGCTGTTGGGACG
 TCTCCTCAGTACAAGCTCGGAAGGCACCGTCAGTAGCAACATCCGAGCACTGGATCTTGCTGGAGACCT
 TACAAACCACAGGACCCCCAGAAAACACCCTCCTACCAAAGTGAAGAAAAGAAAAGTTGCCCTCGGGAGAG
 CAGCCCCTGAAAAACTCCACCAGGAGACTGGAGATGCCAGAGCCTGCCGCTCGGTCCAGGAGGAAGCTGG
 CTTGGGATGCTGAGGAGAGCACGAAGGAAGACACCAGGAGGAGCCAGGGCGGAGGAGGACGGGAGAGA
 GGAGAGAGGACAGGACAAGCAGACCTGTGCGGTAGAGCTGGAGAAACCGGACACACAGACACCCAAGGCA
 GACAGACTGACAGAAGGGTCGGAGACATCTTCTGTTTCTCAGGGAAGGGAGGCAGGCTTCTACACCGA
 GGCTGAGAGAACTCGGTATCCAGCGGACGCCATGATCTCACGACGCCAGCTGTTGGTGGCGCAGTCTT
 AGTGTCTCCATCTAAAGTGAAGCCACCAGGCTCGAGCAGAGGAGGAGAGCGTCTCCCAAGATGGCTTA
 GAAACTCTGAAGAAAGACATTAAGAAGGAAAACCCCGTCCCATGTCTCTGTTGACTTCTCCGCTG
 CTGGCATGAAGACAGTTGATCCCCTGCCTCTGCGAGAAGACTGTGAAGCCAATGTGCTCAGATTTGCTGA
 TACTCTTCTGTTTCGAAAATTTTGACCGTCAGCCCAGCACCCCTGGGAGCTGCCTCCATGTGCCCCG
 CCTTACTGTATCCGTCCAGCAGGATCCAGGGCGCTGCGAGACCCTGAGTTTCAGCACAAATGCAG
 ATAGACTGTCTGAGATCTCTGCTCGCTCTGAGTTTCCAGCCTCCGGGCTTTCCAGACTCTAGCCCCGAGC
 TCAGAAAAGAAAGGAGAATTTCTGGGGCAAGCCAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_010785
- Insert Size:** 2067 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).
- 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_010785.2](#), [NP_034915.2](#)

RefSeq Size: 3071 bp

RefSeq ORF: 2067 bp

Locus ID: 17245

UniProt ID: [Q9D067](#)

Cytogenetics: 10 66.65 cM

Gene Summary: Microtubule-binding protein that negatively regulates centriole duplication. Binds to and stabilizes microtubules.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes 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.