

Product datasheet for **MC220992**

Mdm1 (NM_001162904) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm1 (NM_001162904) 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: >MC220992 representing NM_001162904
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGGTGCCTTCAAGGGCTGAGTGAATACCAGAGAACTCCTGTGAAAAAGTCCTATTTGTCAG
 AGTCTTATAATCCCTCAGTGGGACAAAAGTACTCATGGGCAGGACTTAGATCGGATCAGTTGGGGATCAC
 GAAAGAACCAGGTTTTATTTCAAAAAGAAGAGTCCCTACCATGACCCTCAGATTTCAAAAATACCTGGAG
 TGGAACGGAACCGTCAGAAAAGAAGGATACGCTTGTCCCACCAGAACCCAGGCCTTTGGAACGCCAAAGC
 CACAAGAGGCTGAGCAAGGAGAAGATGCCAATCAAGAAGCAGTTCTCTACTAGAGGCCTCCAGGTTCC
 CAAGAGAACTCGGTCTATTCTGCGGACTCGAGAGCTGAAGGGTTTCAGACACTGTGAAAAAGCACCGAG
 GGTGTCACGAGAAGCCATGCGCCAGTTAGCGCGGATGTGGAGCTGAGACCTCCAGCAAACACCTCTCT
 CCCAGAGCATAGATCCCAGTTGGATAGGCATCTTCGTAAGAAAGCTGGATTGGCCGTTGTTCCCACGAA
 TAATGCCTTGAGAAATCTGAATACCAAAGGCAGTTTGTGGAAAGACTCTAAAGAAAGCGCTCCAGTG
 TTTGCATCCAATCAGTTTTCCGTAATAAAAGCCAAATTATTCCACAGTTCCAAGGCAATACATTACCC
 ACGAGACTGAATACAAGCGAAATTTCAAGGGTTAACTCCAGTGAAGGAACCAAAGTCAAGAGAGTATTT
 GAAAGGAAACAGCAGTCTGGAGATGCTGACTCCAGTAAAGAAGGCAGATGAGCCTTAGACTTAGAAGTA
 GACATGGCGTCGGAAGACTCAGACCAGTCTGTAAGAAGCCTGCTTCATGGAGACACCAAAGGCTTGAA
 AAGTGAATTCTGAATATAGAGCAAAGTTCTGAGCCCAGCCAGTATTTCTATAAAGCTGGAGCTTGAC
 CCGGGTGAAGGAGAACCTGTCAAACCAGGGTCTCTAAATGCCATGTGGTATGCAGAGTTAAGGAGCTC
 CGAGAAAAGGCCAATCTTACAGGAAGCGAGTTCAGGGGACACATTTTCTCGGGACCCTCTGAACCAGA
 TTATGTCCGACAGCAACTGCTGTTGGGACGTCTCCTCAGTCACAAGCTCGGAAGGCACCGTCAGTAGCAA
 CATCCGAGCACTGGATCTTGTCTGGAGACCTTACAAACCACAGGACCCCCAGAAAACCCCTCCTACCAAA
 CTAGAAGAAAAGAAAGTTGCCTCGGAGAGCAGCCCTGAAAACTCCACCAGGAGACTGGAGATGCCAG
 AGCCTGCCGCTCGTCAAGGAGAAAGCTGGCTTGGGATGCTGAGGAGAGCACGAAGGAAAGACACCCAGGA
 GGAGCCCAGGGCGGAGGAGGACGGGAGAGAGGAGAGGACAGGACAAGCAGACCTGTGCGGTAGAGCTG
 GAGAAACCGGACACACAGACACCAAGGCAGACAGACTGACAGAAGGGTCGGAGACATCTTCTGTTTCT
 CAGGGAAGGGAGGACAGGCTTCTACACCGAGGCTGAGAGAAGCTCGGTATCCAGCGGACGCACCATGATCT
 CACGACCCAGCTGTTGGTGGCGCAGTCTTAGTGTCTCCATCTAAAGTGAAGCCACCAGGCTCGAGCAG
 AGGAGGAGAGCGTCTCCAAGATGGCTTAGAAACTCTGAAGAAAGACATTACTAAGAAAGGAAAACCCC
 GTCCCATGTCTGTTGACTTCTCCGGCTGCTGGCATGAAGACAGTTGATCCCCTGCCTCTGCGAGAAGA
 CTGTGAAGCCAATGTGCTCAGATTTGCTGATACTTCTCCTGTTTCGAAAATTTGGACCCTCAGCCCAGC
 ACCCTGGGCAGCTGCCTCCATGTGCCCGCCTTACTGTATCCGTCCAGCAGGATCCAGGGCCGTCTGC
 GAGACCTGAGTTTCAGCACAACATGGGAAAACCCAGGACGAACAATTTGCAGCTACATCCACACGATGC
 CTTTAATGATGAAGATGCAGATAGACTGTCTGAGATCTGCTCGCTCTGCAGTTTCCAGCCTCCGGGCT
 TTCCAGACTCTAGCCCGAGCTCAGAAAAGAAGGAGAATTTCTGGGGCAAGCCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001162904
Insert Size: 2157 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:	<ol style="list-style-type: none">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:	<u>NM_001162904.1, NP_001156376.1</u>
RefSeq Size:	3161 bp
RefSeq ORF:	2157 bp
Locus ID:	17245
UniProt ID:	<u>Q9D067</u>
Cytogenetics:	10 66.65 cM
Gene Summary:	<p>Microtubule-binding protein that negatively regulates centriole duplication. Binds to and stabilizes microtubules.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) contains two alternate in-frame exons in the coding region compared to variant 1. This results in a longer protein (isoform 3) compared to isoform 1.</p> <p>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>