

Product datasheet for **MC220316**

Mdm1 (NM_001162905) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm1 (NM_001162905) 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: >MC220316 representing NM_001162905
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGCTGCGCTTCAAGGGGCTGAGTGAATACCAGAGAACTTCTGTGGAAAAAGTCCTATTTGTCAG
 AGTCTTATAATCCCTCAGTGGGACAAAAGTACTCATGGGCAGGACTTAGATCGGATCAGTTGGGGATCAC
 GAAAGAACCAGGTTTTATTTCAAAAAGAAGAGTCCCTACCATGACCCTCAGATTTCAAAAATACCTGGAG
 TGGAAACGGAACCGTCAGAAAAGAAGGATACGCTTGTCCCACCAGAACCCAGGCCTTTGGAACGCCAAAGC
 CACAAGAGGCTGAGCAAGGAGAAGATGCCAATCAAGAAGCAGTTCTCTACTAGAGGCTCCAGGTTCC
 CAAGAGAACTCGGTCTATTCTGCGGACTCGAGAGCTGAAGGGTTTTCAGACACTGTGAAAAAGCACCCAG
 GGTGTACGAGAAGCCATGCGCCAGTTAGCGCGGATGTGGAGCTGAGACCTCCAGCAAACACCTCTCT
 CCCAGAGCATAGATCCCAGGTTTTCCGTAATAAAAAGCCAAATTATTCCACAGTCCAAGGAATACATT
 CACCCACGAGACTGAATACAAGCGAAATTTCAAGGGTTTAACTCCAGTGAAGGAACCAAAGTCAAGAGAG
 TATTTGAAAGGAAACAGCAGTCTGGAGATGCTGACTCCAGTAAAGAAGGCAGATGAGCCTTAGACTTAG
 AAGTAGACATGGCGTCGGAAGACTCAGACCAGTCTGTAAGAAGCCTGCTTCATGGAGACACCAAAGGCT
 TGGAAAAGTGAATTCTGAATATAGAGCAAAGTTCTGAGCCCAGCCAGTATTTCTATAAAGCTGGAGCT
 TGGACCCGGGTGAAGGAGAACCTGTCAAACCAGGGTTCTCTAAATGCCATGTGGTATGCAGAGGTTAAGG
 AGCTCCGAGAAAAGGCCGAATCTTACAGGAAGCGAGTTACAGGGGACACATTTTTCTCGGGACCATCTGAA
 CCAGATTATGTCGGACAGCAACTGCTGTTGGGACGCTCCTCAGTCACAAGCTCGGAAGGCACCGTCAGT
 AGCAACATCCGAGCACTGGATCTTGCTGGAGACCTTACAAACACAGGACCCCCAGAAAACACCCCTCCTA
 CCAAAGTGAAGAAGAAAAGTTGCCTCGGGAGAGCAGCCCTGAAAACTCCACCAGGAGACTGGAGAT
 GCCAGAGCTGCCGCTCGGTACAGGAGGAAGCTGGCTTGGGATGCTGAGGAGAGCACGAAGGAAGACACC
 CAGGAGGAGCCCAGGGCGGAGGAGGACGGGAGAGAGGAGAGGACAGGACAAGCAGACCTGTGCGGTAG
 AGCTGGAGAAACCGGACACACAGACACCAAGGCAGACAGACTGACAGAAGGGTCGGAGACATCTTCTGT
 TTCCTCAGGGAAGGGAGGACGGCTTCTACACCGAGGCTGAGAGAAGCTCGGTATCCAGCGGACGCACCAT
 GATCTCACGACGCCAGCTGTTGGTGGCGCAGTCTTAGTGTCTCCATCTAAAGTGAAGCCACCAGGCTCG
 AGCAGAGGAGGAGAGCGTCTCCAAGATGGCTTAGAACTCTGAAGAAAGACATTAAGAAAGGAAA
 ACCCCGTCATGCTCTGTTGACTTCTCCGGTCTGTCGATGAAGACAGTTGATCCCCTGCCTCTGCGA
 GAAGACTGTGAAGCAATGTGCTCAGATTTGCTGATACTTCTCCTGTTTCGAAAATTTGGACCGTCAGC
 CCAGCACCCCTGGCAGCTGCCTCCATGTGCCCGCCTTACTGTATCCGTCCAGCAGGATCCAGGGCCG
 TCTGCGAGACCCTGAGTTTCAGCACAACATGGGAAAACCCAGGAGCAACAATTTGAGCTACATCCACAC
 GATGCCTTTAATGATGAAGATGCAGATAGACTGTCTGAGATCTCTGCTCGCTCTGCAATTTCCAGCCTCC
 GGGCTTCCAGACTCTAGCCCGAGCTCAGAAAAGAAAGGAGAATTTCTGGGGCAAGCCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001162905
- Insert Size:** 2022 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_001162905.1](#), [NP_001156377.1](#)

RefSeq Size: 3026 bp

RefSeq ORF: 2022 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 (4) lacks an alternate in-frame exon and contains two alternate in-frame exons in the coding region compared to variant 1. This results in a shorter protein (isoform 4) 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.