

Product datasheet for **RN213106**

Mdm1 (NM_001017459) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm1 (NM_001017459) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mdm1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213106 representing NM_001017459
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGGTGCCTTCAAGGGCTGAGTGAATACCAGAAAACTCCTGTGAAAAAGTCCTATTTGTCAG
 AGTCCTATAATCCCTCAGTGGGGCAAAAGTACACATGGGCAGGACTTAGATCGGACCAGTTGGGGATCAC
 GAAAGAACCAGTTTTATTTCAAAAAGAAGAGTCCCTTACTATGACCCTCAGATTTCAAAAATACCTGGAG
 TGGAAATGGAAGTGTCCGAGAGAATGATGCTTTCGCCACCAGAACCCAGATTATCCGAACCCCAAAAC
 CACAAGAAGCAGAGCAAAGAGAAGATGTAACCACGAAACAGTTCTCCACAAGAGGCTTCCAGGGTCCC
 CAAGAGAACTCGATCTCATTCTGCAGACTCCAGAGCTGAAGGGGCTTCCAGCGTGTGAAAAAGCACCAG
 GATGTCACAAAAACCATTCACTAGTTAATGCAGAGCTGGAGCTGAGACCTTCCACCAAACCTTCTCCTG
 AGAGTATAGAACCAGGTTGGACAGGCATCTTCGCAAGAAAGCTGGATTGGCCGTTGCCCTTGAATAA
 TGCCTTGAGAAATCTGAATACCAGAGGCAGTTTGTGGAAAGACCTGTAAGAAACTGCTCCAGTGTGT
 GCAGCCAATCAGGTTTTCCGTAATAAAAGCCAAGTTATCCACAGTTCGAAGCAATACATTCATCCAGG
 AAAGTGAATATAAGCGAAATTTCAAGGGTTAACTCCAGTGAAGGAACCGAAGTTGAGAGAGTATTTGAA
 AGGAAACAGCAGTTTTGAGATATTGCTCCAGAGAAGAAGGCAGACGAGCCTTTAGACTTAGAAGTAGAC
 ATGGCGTCGGAAGACTCAGACCAGCCTATAAAGAAGCCTGCTCCTTGGAGACATCAAAGGCTTGGAAAGG
 TGAATCTGAATATAGAGCAAAATTTCTGAGCCAGCCAGTATTTATATAAGGCTGGAGCTTGGACGCG
 TGTGAAGGAGAGCTTGTGCGACCAAGGTTCTCTAAATGCCATGTGGTATGCAGAGGTTAAGGAGCTCCGG
 GAAAAGGCTGAGTCTATCGGAAGCGAGTTCAGGGGACGCATTTTTCTCGGGACCATCTGAATCAGATTA
 TGTCTGACAGCAACTGCTGTTGGGATGCTCCTCAGTCGCAAGCTCGGAAGGCACCATAGTAGCAACAT
 CCAAGCCCTGGATCTTGCTGGAGATCTTACAAGCCACAGGACCCTCCAGAAACACCCTCCTACCAAACCTG
 GAAGAGAAAAAAGTTGCATTGGCAGAACAGCCCTGAAAAATACCATCAGGAGCCTGGAGCTGCCAGAGG
 CTCCCACCATGGCCAGGAGGAAGTTGGCTTGGGATGCTGCGGAGGGCACACAGAAGGAAGATACCCAGGA
 GGAGCCAGTGGGGAGGAGGACGGGAGAGAGGCCAGGAAAGGACAAGCAGGTCTGTGCAGGAGAGCTA
 CAGAAAGTGGACATGCAGACATCTAAGGCAGACGGACCGACAGAAGGTCAGAAACGCTTCCGTTTCT
 CAGGGAAGGGAGGAGACTTCCGACACCAAGACTGAGAGAGCTCGGTATCCAGCGGACTCACCATGATCT
 CACAACCTCAGCTGTTGGTGGAGCGGTCTTAGTGTCTCCAGCTAAAGCGAAGCCGTGAGCCCTGGAGCAA
 AGGAGGAGACCATCTCCAAGATGGCTTGGAGACTCTGAAGAAAGGCATTACTAAGAAAGGAAAACACC
 GTCTCTCTCTCTGACTTCTCTACTGCCGGCATGAAAACAGTTGATCCCTGCCTTTGCGACAAGA
 TTGTGACGCCAATGTGCTCAGAGTTGCTGAGGGTACTTCTCTGTTTTGAAAAATTTGGACCATCAGACC
 AACACTCTGGACAGCCTTCTCCATGTACCCTGCCTTACTGTCATCCTTCCAGCAGGATCCAGGGGCGTC
 TTCGAGACCCTGAATTTAGCATAACATAGGAAAACCAAGGATGAACAACACGCAGTTACTTCCACATGG
 CGCCTTTAATGACGAAGATGCAGACAGACTGTCTGAGATCTCCGCTCGCTCTGCGGTTTCCAGCCTCCAG
 GCTTTCAGACTTTAGCCCGAGCTCAGAAAAGAAAGGAGAATTTCTGGGGCAAACCG**TAA**

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-NotI

ACCN: NM_001017459

Insert Size: 2160 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_001017459.2</u> , <u>NP_001017459.2</u>
RefSeq Size:	3159 bp
RefSeq ORF:	2160 bp
Locus ID:	314859
UniProt ID:	<u>Q5PQN4</u>
Cytogenetics:	7q22
Gene Summary:	Microtubule-binding protein that negatively regulates centriole duplication. Binds to and stabilizes microtubules.[UniProtKB/Swiss-Prot Function]