

## Product datasheet for **RR214500**

### Mdm2 (NM\_001108099) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm2 (NM_001108099) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mdm2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR214500 representing NM\_001108099  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGCAATACCAACATGTCTGTGTCTACCGAGGGTCTGCAGGCACCTCACAGATTCAGCGTCGGAAC  
 AAGAGACTCTGATTATATTTTATATTGGACAGTATATTATGACTAAAAGATTATATGATGAGAAGCAGCA  
 GCACATTGTGTATTGCTCAAATGATCTCCTAGGAGATGTGTTCCGAGTCCCAAGTTTCTCTGTGAAGGAG  
 CACAGGAAAATATATGCAATGATCTACAGAACTTAGTGGTTGTAAGTCAACAAGACTCTGGAACATCGC  
 CGAGTGAGAGCAGATGTCAGCCTGAAGTGGGAGTGACCTGAAGGACCCCGTCAAGCATACAAGAAGA  
 GAAACCTTCATCTTCTGATGTAGTTTCTAGACCATCTACCTCATCTAGAAGGAGAGCAATTAGTGAACA  
 GAAGAGAACACAGATGAACTACCTGGGGAACGACAGAGGAAGCGCCACAGAGCCCTGTCTTTGATGAGA  
 GCCTGGGTCTGTGTGCTCAGGGAGATATGCTGTGAAAGAAGCAGCAGCAGCGAGGCCACAGACACCCC  
 CTCACATCAGGATCTTGATGATGGCGTAAGTGACCATTCTGCTGATTGCCTGGATCAGGATTCAGTTTCT  
 GATCAATTCAGTGTAGAATTTGAAGTTGAGTCTCTTGACTCAGAAGATTACAGCCTGAGTGATGAAGGGC  
 ATGAGCTCTCAGATGAGGATGATGAGGTCTATCGGGTCACAGTCTATCAGGCAGGAGAAAGCGATGCAGA  
 CTCTTTTGAGGGAGATCCTGAAATTTCTTAGCTGACTATTGAAATGCACCTCGTGAATGAAATGAAT  
 CCTCCCCTTCATCACACTGCAACAGATGTTGGACCTTCGTGAGAACTGGCTCCAGACGATAAGGGGA  
 AAGATAAAGTGGAAATTTCTGAAAAAGCCAACTGAAAGCTCAGATCAGGCAGAAGAAGGCTTAGATGT  
 GCCTGATGGCAAAAAGTGACAGAGGATGATGCTAAGGAGTCATCTGCTGAGGATAGCGAGGAAAAAGTG  
 GCCCAGATGCTCCTGTACAGGAGAGTGACGACTATCCAGCCGTCGACTTCCAGTAGCATTGTTTACA  
 GCAGCCAAGAAAGTGGCAAAGAGTTGAAGGAGGACACACAAGACAAGAGGAAAGTATGGAATCCAGCTT  
 CTCTCTGAACGCCATCGAGCCATGTGTGATTGCGCAGGGCGGCCATAAAATGGTTGCATTGTTACCGGC  
 AAAACCGACACCTGATGTCATGTTTCACGTGTGCAAAGAAGCTAAAGAAGAGGAATAAGCCCTGCCCGC  
 TGTGCAGACAGCCGATCCAAATGATTGTGCTCACGTACTTCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214500 representing NM\_001108099  
 Red=Cloning site Green=Tags(s)

MCNTNMSVSTEGAAGTSQIPASEQETLIIFYIGQYIMTKRLYDEKQQHIVYCSNDLLGDVFGVPSFSVKE  
 HRKIYAMIYRNLVVVSQQDSGTSPESESRQPEGGSDLKDPVQASQEEKPSSSDVSRPSTSSRRRAISET  
 EENTDELPGERQKRHRALSFDESLGLCVLREICCERSSSEATDTPSHQDLDDGVS DHSADCLDQDSVS  
 DQFVFEFEVSLDSEDSLDEGHLSDEDEVYRVTVYQAGESDADSFEGDPEISLADYWKCTSCNEMN  
 PPLPSHCNRCWTLRENWLPDDKGKDKVEISEKAKLESSDQAEGLDVPDGKVKVTEDDAKESSAEDSEEKV  
 AQMLLSQESDDYSQPSTSSSIYSSQESGKELKEDTQDKEESMESSFSLNAIEPCVICQGRPKNGCIVHG  
 KTGHLMSCFTCAKKLKRKNKPCPVCRQPIQMIVLTYFN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001108099

**ORF Size:** 1374 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.

**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\\_001108099.1](#), [NP\\_001101569.1](#)

**RefSeq Size:** 2855 bp

**RefSeq ORF:** 1377 bp

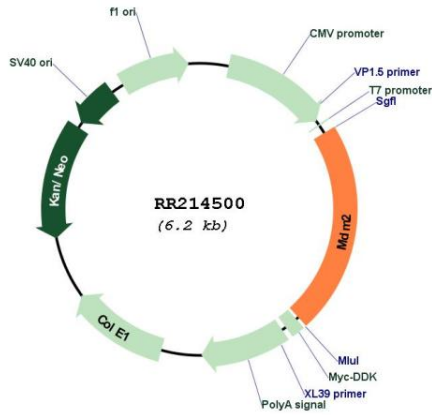
**Locus ID:** 314856

**Cytogenetics:** 7q22

**MW:** 51.1 kDa

**Gene Summary:** mouse homolog acts to inhibit p53 growth suppression in Ras transformed cells [RGD, Feb 2006]

**Product images:**



Circular map for RR214500