

## Product datasheet for **RN210484**

### **Mdm4 (NM\_001012026) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mdm4 (NM_001012026) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mdm4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210484 representing NM\_001012026  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACATCACATTCCACCTCTGCCAGTGTTCAGCATCTGACAGTGCTTGCAGAATTTCTCGGAACAAA  
 TCAATCAGCAGGTACGACCAAACTGCAGCTTCTCAAGATTTTGAAGCAGCAGGTGCTCAGGGGGAAGT  
 TTTCACCATGAAAAGAGGTAATGCACTATCTAGGCCAGTATATAATGGTGAAGCAGCTCTATGATCAACAG  
 GAGCAACATCTGGTGTACTGTGGTGGAGACCTTTTGGGAGATCTACTTGGATGTCAGAGCTTTTCTGTGA  
 AAGATCCAAGCCCTCTGTATGACATGCTAAGAAAGAACCTTGTTACGTCAGCCTCTGTTAACACAGATGC  
 TGCTCAGACTCTCGCTCTCGCACAGGATCACACTATGGATATTCGAAGTCAAGACCGACTGAAGCACGGT  
 GCAACAGAGTGCTCAACCCAGAAAAAGAACTGAAGAAGATGATACTCACACTGCCTACCTCACGAC  
 GTAATGCAGAGATTCAGAGCAGATGAAGACTTGATAGAACATTTATCTCAAGATGAGACATCTAGGCT  
 TGATCTTGATTTTGGAGTGGGATGTTGCTGGCCTGCCTTGGTGGTTTCTAGGGAAATTTGAGAAACAAC  
 TATATACCTAGAAGTAATGGCTCAACTGATTTACAGACAATCAGGATATAGGACTGCCATTGTTTCAG  
 AACTACGGACGATTTGTGGTTTTAAATGAGACCGTGTGAGCAATTAGGTGTTGGAGTAAAAGTTGA  
 AGCTGCTAACTGTGAGCAACCAAGTGAAGTAGGGAGAACAAGAGACAAGAAGATGGTTGAAGGGGAAAA  
 GATGATGACCTTGAGGACTCCAAGTCTTAAGTATGATACTGATGTGGAAGTCACTTCTGAGGATGAGT  
 GGCAGTGTACGGAATGCAAGAAGTTAATTCTCCAAGCAAGAGGACTGTTTTCGTTGCTGGCCTTGAG  
 GAAGGATTGGTATTCGGATTGCTCTAAATTAACCTATTCTCTCTACATCTAATCACTGCCATACCT  
 GAAAAGAAGGACAATGAAGGAATCGATGTCCCCGATTGTCGGAGAACCATTTCCGCTCCTGTGGTTAGGC  
 CTAAGATGGATATTTAAAGGAGGAAAAGCCAGGTTTGACCCCTTGCAACTCAGTGAATTTTGGATTT  
 GGCCCATGGTTCTGAAAGCCAAGAGATCATCTCAAGCACAAGAGAACAACAGATATTTTCTCTGAGCAG  
 AAGACAGAAACAGAAAGTATGGAAGATTTCCAGAATGTCTTGAAGCCCTGTAGCTTATGTGAAAAAGGC  
 CTCGGGATGGGAACATTATTCATGGGAAGACGAGCCATCTGACTACATGTTTCCACTGTGCCAGGAGACT  
 GAAGAAGTCTGGGGCTTCATGTCCTGCTTGAAGAAAGAGATTCAGTTGGTTATTAAGGTTTTATAGCA  
 TAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001012026

**Insert Size:** 1473 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\\_001012026.1](#), [NP\\_001012026.1](#)

**RefSeq Size:** 1923 bp

**RefSeq ORF:** 1473 bp

**Locus ID:** 304798

**UniProt ID:** [Q5XIN1](#)

**Cytogenetics:** 13q13

**Gene Summary:** Inhibits p53/TP53- and TP73/p73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Inhibits degradation of MDM2. Can reverse MDM2-targeted degradation of TP53 while maintaining suppression of TP53 transactivation and apoptotic functions (By similarity).[UniProtKB/Swiss-Prot Function]