

Product datasheet for **RR210484**

Mdm4 (NM_001012026) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR210484 representing NM_001012026
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACATCACATTCCACCTCTGCCAGTGTTCAGCATCTGACAGTGCTTGCAGAATTTCTCGGAACAAA
 TCAATCAGCAGGTACGACCAAACTGCAGCTTCTCAAGATTTTGAAGCAGCAGGTGCTCAGGGGAAGT
 TTTCACCATGAAAAGAGGTAATGCACTATCTAGGCCAGTATATAATGGTGAAGCAGCTCTATGATCAACAG
 GAGCAACATCTGGTGTACTGTGGTGGAGACCTTTTGGGAGATCTACTTGGATGTCAGAGCTTTTCTGTGA
 AAGATCCAAGCCCTCTGTATGACATGCTAAGAAAGAACCTTGTACGTCAGCCTCTGTAAACACAGATGC
 TGCTCAGACTCTCGCTCTGCACAGGATCACACTATGGATATTCAGTCAAGACCGACTGAAGCACGGT
 GCAACAGAGTGCTCAACCCAGAAAAAGAACTGAAGAAGATGATACTCACACTGCCTACCTCACGAC
 GTAATGCAGAGATTCAGAGCAGATGAAGACTTGATAGAACATTTATCTCAAGATGAGACATCTAGGCT
 TGATCTTGATTTTGGAGTGGGATGTTGCTGGCCTGCCTTGGTGGTTTCTAGGGAAATTTGAGAAAAC
 TATATACCTAGAAGTAATGGCTCAACTGATTTACAGACAATCAGGATATAGGACTGCCATTGTTTCAG
 AACTACGGACGATTTGTGGTTTTAAATGAGACCGTGTGAGCAATTAGGTGTTGGAGTAAAAGTTGA
 AGCTGCTAACTGTGAGCAACCAAGTGAAGTAGGGAGAACAAGAGACAAGAAGATGGTTGAAGGGGAAAA
 GATGATGACCTTGAGGACTCCAAGTCTTAAGTATGATACTGATGTGGAAGTCACTTCTGAGGATGAGT
 GGCAGTGTACGGAATGCAAGAAGTTAATTCTCCAAGCAAGAGGACTGTTTTCGTTGCTGGCCTTGAG
 GAAGGATTGGTATTCGGATTGCTCTAAATTAACCTATTCTCTCTACATCTAATCACTGCCATACCT
 GAAAAGAAGGACAATGAAGGAATCGATGTCCCCGATTGTCGGAGAACCATTTCCGCTCCTGTGGTTAGGC
 CTAAGATGGATATTTAAAGGAGGAAAAGCCAGGTTTGACCCTTGCAACTCAGTGAATTTTGGATTT
 GGCCCATGGTTCTGAAAGCCAAGAGATCATCTCAAGCACAGAGAACAACAGATATTTTCTCTGAGCAG
 AAGACAGAAACAGAAAGTATGGAAGATTTCCAGAAATGTCTTGAAGCCCTGTAGCTTATGTAAAAAGGC
 CTCGGGATGGGAACATTATTCATGGGAAGACGAGCCATCTGACTACATGTTTCCACTGTGCCAGGAGACT
 GAAGAAGTCTGGGGCTTCATGCTCTGTGTAAGAAAGAGATTCAGTTGGTTATTAAGGTTTTTATAGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210484 representing NM_001012026
 Red=Cloning site Green=Tags(s)

MTSHSTSAQCSASDSACRISSEQINQVVRPKLQLLKILQAAGAQQEVFTMKEVMHYLGQYIMVKQLYDQQ
 EQHLVYCGDLDLGDLLGCQSFVSKDPSPLYDMLRKNLVTASVNTDAAQTLALAQDHTMDIPSQDRLKHG
 ATECSNPKRTEEDDHTLPTSRKCRDSRAEDELIEHLSQDETSRLDLDFEEDWDVAGLPWWFLGNLRNN
 YIPRNSGSDLQTNQDIGTAIVSDTTDDLWFLNETVSEQLGVGVKVEAANCEQPSEVGRTRDKKMEVGGK
 DDDLEDKSLSDTDVEVTSEDEWQCTECKKFNSPSKRYCFRCWALRKDWYSDCSKLTSLSTSNITAIP
 EKKDNEGIDVPCRRRISAPVVRPKDGYLKEEKPRFPCNSVEFLDLAHGSESQEIISSSTREQTDIFSEQ
 KTETESMEDFQNVLKPCSLCEKRPDRGNIHKGKSHLTTFCFHARRLKKSGASCPCPKKEIQLVIKVFIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

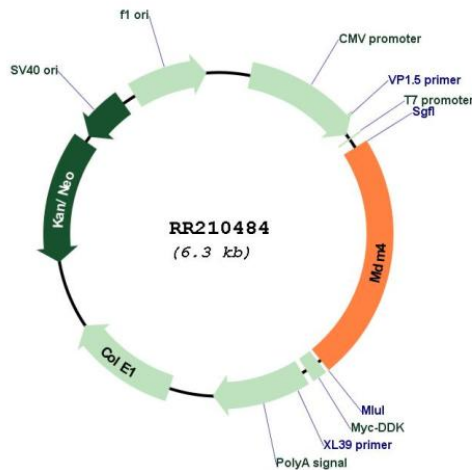
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012026

ORF Size: 1470 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:	<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_001012026.1, NP_001012026.1</u>
RefSeq Size:	1923 bp
RefSeq ORF:	1473 bp
Locus ID:	304798
UniProt ID:	<u>Q5XIN1</u>
Cytogenetics:	13q13
MW:	55.2 kDa
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]