

Product datasheet for **MC216805**

Mdm4 (NM_008575) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdm4 (NM_008575) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mdm4
Synonyms:	4933417N07Rik; AA414968; AL023055; AU018793; AU021806; C85810; Mdmx
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216805 representing NM_008575
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACATCACATTCCACCTCGGCCAGTGTTCAGCATCTGACAGTGCTTGCAGAATTTCTCGGAACAAA
 TTAGTCAGGTGCGGCCAAAACCTGCAGCTTTTGAAGATTTGCATGCAGCAGGTGCGCAGGGGAAGTATT
 CACCATGAAAGAGGTAATGCACTATCTAGGCCAGTATATAATGGTGAAGCAGCTCTATGATCAACAGGAG
 CAACATATGGTATACTGTGGTGGAGATCTTTGGGAGATCTACTTGGATGTGAGACTTTTCTGTGAAAAG
 ATCCAAGCCCTCTATGACATGCTAAGAAAGAATCTTGTACATCAGCTTCTATTAACACAGATGCTGC
 TCAGACTCTCGCTCTCGCACAGGATCACACTATGGATTTTCCAAGTCAAGACCGACTGAAGCACGGTGCA
 ACAGAATACTCCAATCCCAGAAAAGAAGTGAAGAAGAGGATACTCACACTGCCTACCTCACGACATA
 AATGCAGAGACTCCAGAGCAGATGAAGACTTGATAGAACATTTATCTCAAGATGAGACATCTAGGCTTGA
 CCTTGATTTTGGAGTGGGACGTTGCTGGCCTGCCTTGGTGGTTTCTAGGGAATTTGAGAAAACACTGT
 ATTCTAAAAGTAATGGCTCAACTGATTTACAGACAAATCAGGATATAGGTACTGCCATTGTTTCAGACA
 CTACGGATGATTTGTGGTTTTAAATGAGACCGTGTGAGAGCAATTAGGTGTTGGAATAAAAAGTTGAAGC
 TGCTAATTTCTGAGCAAACAAGTGAAGTAGGGAAAACAAGTAACAAGAAGACGGTGGAGGTGGGAAAGGAT
 GATGATCTTGAGGACTCCAGGTCCTTGAGCGATGATACTGACGTGGAACCTACCTCTGAGGATGAGTGGC
 AGTGTACGGAATGCAAGAAGTTTAAATCTCCAAGCAAGAGGACTGTTTTCGTTGCTGGGCCCTTGAGAAA
 GGATTGGTATTCGGATTGTTCTAAATTAACCTATTCCCTATCTACATCTAATATTACTGCCATACCTGAA
 AAGAAGGACAATGAAGGAATTGATGTTCCCGATTGTAGGAGAACCATTTCAGCTCCTGTTGTTAGGCCTA
 AAGATGGATATTTAAAGGAGGAAAAGCCAGTTTGACCCTTGCAACTCAGTGGGATTTTGGATTTGGC
 TCATAGTTCTGAAAGCCAGGAGATCATCTCAAGCGCGAGAGAACAACAGATATTTTTCTGAGCAGAAA
 GCTGAAACAGAAAAGTATGGAAGATTTCCAGAATGTCTTGAAGCCGTGTAGCTTATGTGAAAAAGCCCTC
 GGGATGGGAACATTATTCATGGGAAGACGACCATCTGACGACATGTTTCCACTGTGCCAGGAGACTGAA
 GAAGTCTGGGCTTCGTGCTCTGTAAGAAAGAGATTCAGTTGGTTATTAAGTTTTTATAGCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_008575

Insert Size: 1470 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_008575.4](#), [NP_032601.2](#)

RefSeq Size: 7298 bp

RefSeq ORF: 1470 bp

Locus ID: 17248

UniProt ID: [O35618](#)

Cytogenetics: 1 57.75 cM

Gene Summary: This gene encodes a protein that has been shown to negatively regulate the activity of the tumor suppressor protein p53. Homozygous knockout mice exhibit embryonic lethality as a result of p53-dependent apoptosis and cell cycle arrest. Amplification of this gene or overexpression of the encoded protein has been linked to a range of human cancers. A pseudogene has been identified on the X chromosome. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2014]
Transcript Variant: This variant (3) contains an alternate exon in the 5' UTR and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The resulting isoform (2) is shorter compared to isoform 1. Both variants 3 and 4 encode the same isoform (2).