

## Product datasheet for **RC235979**

### MDMX (MDM4) (NM\_001278516) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MDMX (MDM4) (NM_001278516) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MDMX
Synonyms:	BMFS6; HDMX; MDMX; MRP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235979 representing NM_001278516 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACATCATTTCCACCTCTGCTCAGTGTTCACATCTGACAGTGCTTGCAGGATCTCTCTGGACAAA  
TCAATCAGGTACGACAAAACCTGCCGCTTTTGAAGATTTGCATGCAGCAGGTGCGCAAGGTGAAATGTT  
CACTGTAAAGAGGTCATGCACTATTTAGGTCAGTACATAATGGTGAAGCACTTATGATCAGCAGGAG  
CAGCATATGGTATATTGGTGGAGATCTTTGGGAGAACTACTGGGACGTCAGAGCTTCTCCGTGAAAG  
ACCCAAGCCCTCTATGATATGCTAAGAAAGAATCTTGTCACTTAGCCACTGCTACTACAGCAAAGTG  
CAGAGGAAAGTCCACTCCAGAAAAGAACTACAGAAGACGATATCCCCACACTGCCTACCTCAGAGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC235979 representing NM_001278516 Red=Cloning site Green=Tags(s)
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MTSFSTSAQCSTSDSACRISPGQINQVRPKLPLLKILHAAGAQGEMFTVKEVMHYLGQYIMVKQLYDQQE  
QHMVYCGDGLLCELLGRQFSVKDPSPLYDMLRKNLVTLATATTAKCRGKFHFQKKNYRRRYPHTAYLRA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja3070_e04.zip">https://cdn.origene.com/chromatograms/ja3070_e04.zip</a>
Restriction Sites:	SgfI-MluI



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RefSeq: [NM\\_001278516.1](#), [NP\\_001265445.1](#)

RefSeq Size: 10022 bp

RefSeq ORF: 423 bp

Locus ID: 4194

UniProt ID: [O15151](#)

Cytogenetics: 1q32.1

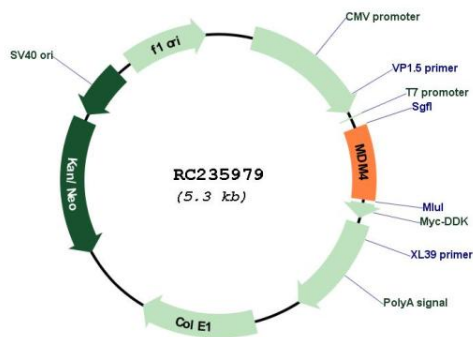
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: p53 signaling pathway

MW: 15.9 kDa

**Gene Summary:** This gene encodes a nuclear protein that contains a p53 binding domain at the N-terminus and a RING finger domain at the C-terminus, and shows structural similarity to p53-binding protein MDM2. Both proteins bind the p53 tumor suppressor protein and inhibit its activity, and have been shown to be overexpressed in a variety of human cancers. However, unlike MDM2 which degrades p53, this protein inhibits p53 by binding its transcriptional activation domain. This protein also interacts with MDM2 protein via the RING finger domain, and inhibits the latter's degradation. So this protein can reverse MDM2-targeted degradation of p53, while maintaining suppression of p53 transactivation and apoptotic functions. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Feb 2011]

### Product images:



Circular map for RC235979