

## Product datasheet for MR217146

### R3hdm2 (NM\_027900) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	R3hdm2 (NM_027900) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	R3hdm2
Synonyms:	1300003K24Rik; AU041262; mKIAA1002
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217146 representing NM_027900 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTAACAGTAACACTACTCAGGAGACTCTGGAAATATGAAAGAATCAGAAAAAACTGGTGAAG  
AATCTGTAACAATAAAATTTATATCCAAAACCTCAAGTAAGGAAGACGTCGAGAAGGAGGGTGAAGA  
GAATGGTCTGCGTCAGGAGACACAGAGACGGACATCCAGTCATGGCCATGCCAGGAAAAGAGCCAAGTCT  
AATTCCAACTCAAGTTGGTGCAGCTCTGGCAGTCTGTGAGGAATCCTCCACTCCATTTGTCGATGGC  
CACTAGACACCCAGGATATAATTCAACTGCACATCAGCTGCCCTCTGACAAGGAGAAGAAAAGTCCAC  
AAAAGATGTCTCTGAAAAGGAAGACAAGGACAAAAGCAAAGAAAAGGTCCAAGGAAGATGCTATCCAGA  
GACTCCAGCCAAGAATATACCGACTCCACTGGAATAGATCTACATGAATTTCTTGTAAATACACTGAAAA  
AGAACCAAGGGACAGAAATGATGCTGCTAAAGTTAGAGCAAGAGATTCTGGACTTCATCAATGACAACAA  
CAACCAGTTCAAGAAGTCCCTCAGATGACCTCATACCCGGATGCTATTACATCGGGTAGCTGCCTAC  
TTTGGGATGGACCACAATGTTGATCAAACAGGGAAAGCTGTCATCATCAACAAAACAGCAGCAGCAGGA  
TCCCTGAACAGAGGTTCTCAGAACATATAAAAGATGAAAAGAACACGGAATTTCAACAGAGGTTCAATCT  
CAAGAGAGATGATGCCAGTATGGACCGAGATGATAACAGACCCGCGCAGAATGGATATCTGAATGACATG  
AGACTCTCAAAGAAGCCTTTTCTAGCTCTACAAGAGAAGGCAGATTTTTAGGGGAAACCGGGAAG  
GGCTGAGCCGTACCTCAAGCAGCCGACAGAGCAGCAGACAGCAGCGAGCTCAAGTCCCTGGAGCCACGGCC  
TTGGAGCAGCAGACTCAGATGGCTCTGTCCGAGCATGCGACCTCCTGTCAACAAAGCCAGCAGCTTC  
AGTGAATCTCCATCCTCACCCGAGGCGACAGCATTGGCAGCAGTAAAGGCGGAGTGCAGGCAGGCTCT  
CCAGGCCAGGCATGGCACTAGGTGCCCAAGTGTGCAACAGGTCACTCACCCAGTCTGTCCGGGG  
CCTTCTTCTTGTACTGCCAGCAGCAGCAGCAGCAACAACAACAACAACAACACTTCTGCTCTCCCA  
CCCCTCTCAACACCAGCCACCCTTGAATAATCATGATTTTACAGCCAGTCCCGGCCCTGCAGCCCT  
CTCCACAGCCGGTTCAGTTTTCTCAAGCTCCTGTCCCGAGCAGAAGACCTCAGCAACCCCTTTGGACA  
AATGAGCCTTAGCCGCAAGGTTCTACTGAAGCAGCTGACCCCTCCTCGGCTTTGTTCCAGCCCCACTT



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ATCTCCCAGCATCCTCAGCAAGCTAGTTTCATCATGGCTTCTGCAGGACAGCCCTTCCCACTTCCAATT  
 ATTCCACTTCTAGCCATGCTCCACCTACCCAGCAAGTCTGCCACCCCAAGGCTACATGCAGCCCTCA  
 ACAGATCCAGGTTTCTTACTACCCTCCTGGACAGTATCCTAATCCAACCAGCAATATCGACCTCTGTCT  
 CACCCGGTGGCCTATAGCCCCAGCGTGGTCAACAGCTGCCTCAAGCATCCCAGCAGCCTGGCTTACAGC  
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 AGCACGGAAACCGGGCAAGAGACAAGCACTGAAATCTGCCTCCACTGACCTGGGGACAGCAGATGTTGT  
 GCTTGGAAAGGTGCTGGAGGTGACTGACCTCCCTGAAGGAATCACCCGTACGGAGGCTGACAAACTTTC  
 ACCCAGCTTGCCATGTCTGGTGCCAAGATCCAGTGGCTTAAGGATGCTCAGGGGCTGCCTGGTGCAGGCG  
 GGGGGGACAACAGTGGGACTGCTGAGAACGGCCGCCACCCGGACCTCGCAGCCCTGTACACGATAGTGGC  
 TGTGTTCCCCAGCCCCCTGGCCGCCAGAACGCCTCCCTTCGCCTCAACAACCTGTGTGAGTCGCTTCAA  
 CTCGAGTGGCTAAAAAGAACTACGACCTGAGGATCCTGGAACGAGCTAGCTCTCAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217146 representing NM\_027900  
 Red=Cloning site Green=Tags(s)

MSNSNTTQETLEIMKESEKKLVEESVNKNKFI SKTPSKEDVEKEGEENLRQETQRRTSSHGHARKRAKS  
 NSKLKLVRS LAVCEESSTPFVDGPLDTQDIIQLHISCPDKEEEKSTKDVSEKEDKDKSKEKVPKMLSR  
 DSSQEYTDSTGIDLHEFLVNTLKKNPRDRMMLLKEQEILDFINDNNNQFKKFPQMTSYHRMLLHRVAAY  
 FGMDHNVDTGKAVIINKTSSTRIPEQRFSEHIKDEKNTFQQRFILKRDDASMDRDNQTGQNGYLNDI  
 RLSKEAFSSSSHKRRQIFRGNREGLSRTSSSRQSTDSSELKSLEPRPWSSTSDSGSVRSMRPVTKASSF  
 SGI SIL TRGDSIGSSKGG SAGRLSRPGMALGAPEVCNQVTSPQSVRGLLPCTAQQQQQQQQQQLPALP  
 PTPQHQPPLNNHMISQPVPALQSPQPVQFSPSSCPQAEDLSNPFQMSLSRQGS TEADPSSALFQPPL  
 ISQHPQQASFIMASAGQPLPTS NYSTSSHAPPTQVLPQGYMQPPQIQVSYPPGQY PNSNQYRPLS  
 HPVAYSPQRGQLPQASQPGLQPMMSNQQTAYQGMLGVQPPQNQGLLSNQRSSMGGMQGLVVQYTPL  
 PSYQVPVGSQSNVVQPSFQPMPLVPASQSVQGLPTGGVPVYYSMIPPAQQNGTSPSVGF LQPPGSEQY  
 QMPQSPSPCSPQMSQYSGVSPSPGPGVVVMQLNVPNGPQAPQNPMSMVQWSHCKYYSVEQRGKPGDLYS  
 PDGSPQANAQMGSSPVTSPQSPAPSPVLSL SNVCTGLSPLPVLTPFPRPGGPAQGDGRYSLLGQPLQYN  
 LSICPPLLHGQSTYTVHQQSGLKHGNRGRKQALKSASTDLGTADVVLGRVLEVTDLPEGITRTEADKLF  
 TQLAMSGAKIQWLKDAQGLPGAGGGDNSGTAENGRHPDLAALYTI VAVFPSPLAAQNASLRLNNSVSRFK  
 LRVAKKNYDLRILERASSQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_027900

**ORF Size:** 2997 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.

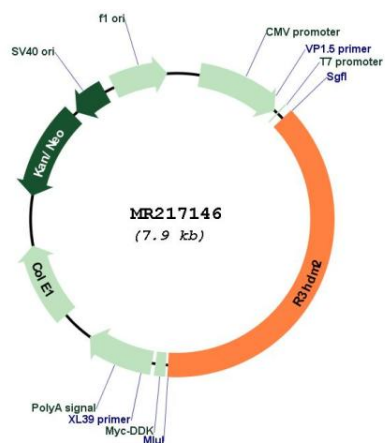
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_027900.4](#), [NP\\_082176.4](#)

**RefSeq Size:** 4231 bp

RefSeq ORF: 3000 bp  
 Locus ID: 71750  
 UniProt ID: [Q80TM6](#)  
 Cytogenetics: 10 D3  
 MW: 109.5 kDa

**Product images:**


Circular map for MR217146