

## Product datasheet for **RR216190**

### **R3hdm4 (NM\_001173974) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** R3hdm4 (NM\_001173974) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** R3hdm4  
**Synonyms:** RGD1307067  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216190 representing NM\_001173974  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGTGGCTCTGGACAACCCAGAAGGCGGCCCTGAGGCTACCCCGAGCGGGGACCAGGCTGTCCCTTC  
CTGGCTGCCTCCCTACGCTCAGCGGCTCACAGGCGAAGAGGGTCTCAGCTTCCAGGCGCAAGCAACATTT  
TATCAATCAGGCTGTGCGGAATTCGGACCTGGTCCCAAAGCCAAGGGACGGAAGAGTTTGCAGCGCTTG  
GAGAACACCCAGTACCTCCTAACACTGCTGGAGACAGCTGGGGGCCCTCCGGGGGTGGAAGATGGGGACC  
TGACTCCTCTGCAGTACCTGGCATCTTCGCCGAGGCTTGACGCAATGCCACCTATGTGGAGTTTGGAA  
TGATTTTCAAGCCGCTCGGGAGAAGAGCAAGAGCGAGTCTCCGTTACTTGGAGGATGAGGACCAGGGC  
AAGCGGAGGCGCAGGCTGGCCGCGGGGAGGACCGGCGGAGAGAGGACCCGGTCTTACACCCCACGAGT  
GCTTCAGGCGCATCAGCCGTCGCTGCGGTCCGTGCTCAAGCGTAGCCGCATCCCAATGGAACCCCTGGA  
GAGTTGGGAGGAACGGCTGCTGGCCTTCTTCTCGGTGTCCCCCAAGCCGTGTACACCCCATGCTGGAC  
AACAGCTATGAGAGGCTCCTGCTTACGCTGTGTGCCAGTACATGGACCTCATATCAGCCAGTGTGACA  
TGGAGGGCCGGAGGCAGATGAAGTCAAGGTCAGCAACCGCCACCTGGATTCTCGCTCCTGAGCTTCTGTTGTC  
TGCTACCTAGACCAGCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216190 representing NM\_001173974  
 Red=Cloning site Green=Tags(s)

MVALDNPPEGPEATPSAGTRL<sup>+</sup>SLPGCLPTLSGSQAKRVSASRRKQHF<sup>+</sup>INQAVRNSDLVPAKAKGRKSLQRL  
 ENTQYLLTLETAGGPPGVEDGDLTPPAVPGIFAEACSNATYVEVWDFMNRSGEEQERVLRYLEDEDQG  
 KRRRRPGRGEDRRREDPVFTPHECFRIRRLRSVLKRSRIPMETLESWEERLLAFFSVSPQAVYTAMLD  
 NSYERLLLHAVCQYMDLISASADMEGRQMKVSNRHLDFLPPELLLSAYLDQQ

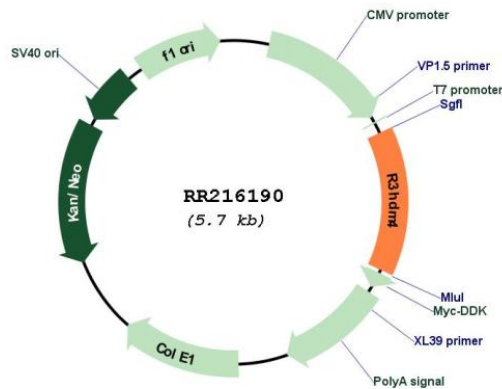
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001173974  
**ORF Size:** 789 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001173974.1</a> , <a href="#">NP_001167445.1</a>
<b>RefSeq Size:</b>	1803 bp
<b>RefSeq ORF:</b>	792 bp
<b>Locus ID:</b>	362840
<b>Cytogenetics:</b>	7q11
<b>MW:</b>	29.8 kDa