

Product datasheet for **RR210991**

R3hdm1 (NM_001134867) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: R3hdm1 (NM_001134867) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: R3hdm1
Synonyms: R3hdm
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210991 representing NM_001134867
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGATGTCTGATATTGTTATTATAAAAAGATGAAACTGAAACAATGAAGGATTTGGAGGCAGAAATGA
GAGATACAACCAGAGTTGAAAATCTTATCAAATCAGAAAATATGGGAAGATTTCCGCAGAGAAGAATGA
ACATTGTATTGACAACAATATTGATTTGCAGCGGCCCCCGCAGTCATTTGGACAGACAGGAAAAAGGTCT
AAGTCAAGCTCAAAGTTAAAGCTAGTTCGAGCCTTGCAGTGTGTGAAGAATCTCCACCACCCCTCGAG
CAGAGATACCCAGGAGACCCAGGAGAAAAATTCAGATACAGTTAACACAATCATTGAAAAAGAGAAAA
GCCCTCAAAGATGAAACAGATAAAGAAAAAGCCAGTGATAAGTTACCCAGAAAAATGCTATCAAGAGAT
TCCAGTCAAGAATACACTGATTCACTGGCATAGATCTACATGAATTTTTAGTAAATACATTAATAAACA
ATCCCAGGGACAGAATGATGCTGCTGAAATTGGAACAAGAAATTTAGATTTTATTGGTAATAATGAGTC
CCCACGTAAGAAGTTTCCCCGATGACATCTTACCACAGGATGCTGTTACACAGAGTGGCTGCTACTTT
GGATTAGACCACAATGTTGACCAGAGTGGGAAGTCTGTCATAGTGAACAAAACAGCAACACCAGAATAC
CTGATCAGAAATTAATGAGCATATTAAGGATGACAGAGGTGAAGACTTTCAGAAAACGTTACATCCTTAA
GAGAGATAACTCTAGCTTTGACAAAGACGATAGCCAGATGAGAATACGTTTTAAAAGATGACAGGAGAAGC
AAATCCATAGAAGAAAGAGAAGAAGAGTACCAGAGAGCTAGAGACAGGATATTCTCCCAAGACTCCCTGT
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CAAAAGCATAGGCAGGCTTTCAAAAACAGGATCTGAGTCTTCAGGTAGTGTAGGGTCTCTACAGGCTCT
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TTCGAACCCAAGTGCCTGGTCTCCACAGCCACCTCTGCCACCCCACCACCTCAGCAGCCAGCAGCCAG
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 TACCCATCCCCGCTCTGCCAGTCTCACCACCCAGCAGTACTCTGTGGATAACCTTGGCTCTCAGTTCA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210991 representing NM_001134867
 Red=Cloning site Green=Tags(s)

MRMSDIVIIKDETETMKDLEAEMRDTTRVENLIKSENYGKISAEKNEHCIDNNIDLQRPPQSFQGTGKRS
 KSSSKLKLVRSLAVCEESPPPPAAEIPQETQEKIQIQLTQSFEEKEKPSKDETDKEKASDKLPRKMLSRD
 SSQEYTDSTGIDLHEFLVNTLKNMNRDRMMLLKLEQEIILDFIGNNESPRKKFPMTSYHRMLLHRVAAYF
 GLDHNVDQSGKSVIVNKTSNTRIPDQKFNEHIKDDRGEDFQKRYILKRDNSSFDKDDSQMRIRLKDDRRS
 KSIEEREEYQRRARDRIFSQDSLCSQENYIIDKRIPDEDITGTQRRQIFRVNKDASGRSTNSHQSSSTEN
 ELKYSEPRPWSSTSDSSLRNLKPAVTKASSFSGISVLTRGDSSGSSKSIGRLSKTGSESSGVSSTGGS
 LSHTQQPLPGSALSQSSHGAPVIYPAASNHSSLFDDGGLNGQGASPTSFLLPLEATGIPPGSILINPQ
 TGQPFINPDGSPVYVNPMTQQSVRTQVPGPPPLPPPPPPQAASHMFSQPVGPLQSSSQPVCECSPAP
 YPSLLPVSPQQYSVDNLGSQFSHMSLARQPSADGSDPHATMFQSTVVLQSPQQSGYIVTTAPPHPPP
 PPPPPPPSLPPGQSVPTASFSGHPVSPVLQQQGFLLPQSPQMPACYPAGHYHSSQPQYRIPSVHHS
 SHLNQPLPQAQHTGYQVMPNQNYQGIQVQSPQSLMGGQPNSTGPHIQGVVIPPVSVPSYQVSLP
 QGSQGIHQYQPVVFPNQSNQSLPTAGMPVYVSVIPPQQSNLSSAVGYLQHPGSEQVQFPRTTSPC
 SSQQLQGHQCAALPQQPPGGMVMMLNLPNNAPSRAHSPPQWKQNKYHCDHQKQKMEVSHMDSIVQH
 SPQLSSPILSPVQSPAPAQLSALKTRPSGPPLSIVSQFARPFVPGQGDARYPLLGQPLQYSPPTLLHGH
 IPHQQQSGSRHGNRRRQAKKAASDLDGAGEAVVGKVLIEITELPDGITRMEAEKLFGELFKIGAKIRWL
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 HYDFHILERASSQ

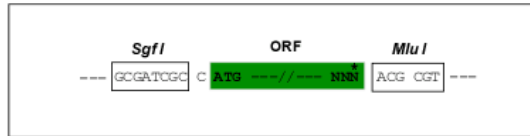
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

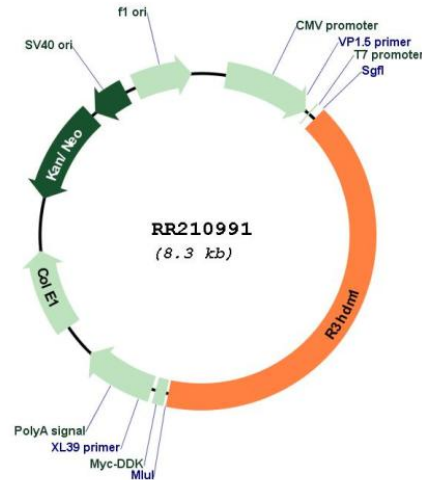
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001134867

ORF Size: 3399 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_001134867.1](#), [NP_001128339.1](#)

RefSeq Size: 4817 bp

RefSeq ORF: 3402 bp

Locus ID: 304763

Cytogenetics: 13q13

MW: 124.1 kDa