

Product datasheet for RR214583

R3hdm2 (NM_001130557) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	R3hdm2 (NM_001130557) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	R3hdm2
Synonyms:	RGD1310066
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214583 representing NM_001130557 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTAACAGTAACACTACTCAGGAGACTCTGGAAATGAAAGAATCAGAAAAAACTGGTGAAG
AATCTGTAACAATAAAATTTATATCCAAAACCTCAAGTAAAGAAGAAGTTGAGAAGGAGGGTGAAGA
GAATGGTCTGCGTCAGGAGACACAGAGACGGACATCCAGTCATGGCCATGCCAGGAAAAGAGCCAAGTCT
AATTCCAAGCTCAAGTTGGTTCGAAGTCTGGCAGTATGCGAGGAATGCTCCACTCCATTTGTCGATGGC
CACTAGACACCCAGGATATAATCAACTGCACATCAGCTGCCCTCTGATAAGGAGAAGAAAAGTCCAC
AAAAGATGTCTCTGAAAAAGACGACAAGGACAAAAGCAAAAGAAAAGGTCCAAGGAAGATGCTATCCAGA
GACTCCAGCCAAGAATATACTGACTCCACTGGAATAGATCTACATGAATTTCTTGTAATACACTGAAAA
AGAACCAAGGGACAGAAATGATGCTGCTAAAGTTAGAGCAAGAGATTCTGGACTTCATCAGTGACAACAA
TAACCAAGTTCAAGAAGTCCCTCAGATGACCTCATACCCGGATGCTATTACACCGGGTAGCTGCCTAT
TTTGGGATGGACCATAATGTTGACCAACAGGGAAAGCTGTCATCATCAACAAAACCAGCAGCAGCAGAA
TCCCTGAACAGAGGTTCTCAGAACATATAAAAGATGAGAAGAACACAGAAATTTCAACAGAGATTCATTCT
CAAGAGAGATGATGCCAGTATGGACCGAGAGGAGAACCAGATGAGAGTTCATTGCAAGGATGGAAGGAGG
AGCAAGTCAATAGAAGAGAGAGAGGAGGAATATCAAAGGGTCCGAGAGAGAATATTTGCCGAGAGGCTG
GCCAGAACGGATATCTAAATGACATCAGGGGAAACCGTGAAGGGCTGAGCCGCACCTCAAGCAGCCGACA
GAGCAGCACAGACAGCGAACTCAAATCCCTAGAGCCACGGCCTTGAGCAGCACAGACTCAGATGGCTCT
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ACAGCATCGGCAGCAGTAAAGGTGGCAGTGCAGGCAGGCTCTCCAGGCCAGGCATGACACTAGGTGCCCC
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ATAATCACATGATTTACAGGCAGAAGACCTCAGCAATCCCTTTGGACAAATGAGCCTTAGCCGCCAAGG
TTCCACTGAAGCAGCTGACCCGTCCTCAGCCTTGTCCAGTCCCCACTTATCTCCAGCATCCTCAGCAA



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GCTAGTTTCATCATGGCCTCTGCAGGACAGCCCCTTCTACTTCCAACACTATCCACTTCTAGCCATGCAC
CACCTACCCAGCAAGTCCTGCCACCCCAAGGCTACATGCAGCCCCCTCAGCAGATCCAGGTTTCTACTA
TCCTCCTGGACAGTATCCTAATTCACACAGCAATATCGACCTCTGTCTCACCCGGTGGCCTATAGCCCC
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AGAGACAAGCACTCAAGTCTGCCTCCACTGACCTGGGGACAGCGGATGTTGTGCTGGGAAGGGTACTGGA
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GGTGCCAAAGTCCAGTGGCTTAAGGATGCTCAGGGGTGCTGGTGCAGTGGGGGGGACAAAGTGGGA
CTGCTGAGAAATGGCCGCATGCGGACCTCGCTGCCTTGTACACTATAGTGGCTGTGTTCCCCAGTCCCCT
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AACTACGACCTGAGGATCCTGGAGCGAGCTAGCTCTCAA

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214583 representing NM_001130557
Red=Cloning site Green=Tags(s)

MSNSNTTQETLEIMKESEKKLVEESVKNKFIISKTPSKEEVEKEGEENGLRQETQRRTSSHGHARKRAKS
NSKLKLVRS LAVCEEESTPFVDGPLDTQDIIQLHISCPDKEEEKSTKDVSEKDDKDKSKEKVPKMLSR
DSSQEYTDSTGIDLHEFLVNTLKKNPRDRMMLLKEQEILDFISDNNNQFKFPQMTSYHRMLLHRVAAY
FGMDHNVDTGKAVIINKTSSTRIPEQRFSEHIKDEKNTFQQRFILKRDDASMDREENQMRVPLQDGRR
SKSIEEREEYQVRERIFAREAGQNGYLNDIRGNREGLSRTSSSRQSSTDSELKSLEPRPWSSTDSDGS
VRSMPPPVKASSFSGISILTRGDSIGSSKGGGAGRLSRPGMTLGAPEVCNQVTSPPQSVRGLLPCTVQQQ
QQQQQQQQLPALPPVPQQPPLNNHMSQAEDLSNPFQMSLSRQGSTEAADPSSALFQSPLISQHPQQ
ASFIMASAGQPLPSTSNYSTSSHAPPTQQVLPQGYMPPQIQVSYPPGQYVNSNQYRPLSHPVAYSP
QRGQQLPQASQPPGLQPMMSQQQTAYQGM LGVQQPQNQGLLSNQRSNSMGGQMQLVVQYTPLPSYQVP
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APCSPPQIPQYSGVSPSGPVVVMQLNVPNGPQAPQNPMSVQWGHCKYYSVDQRGQKPGDLYSPDGDQP
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LLHGQSTYTVHQQSGLKHGNRGKRQALKSASTDLGTADVVLGRVLEVTDLPEGITRTEADKLFQTLAMS
GAKIQWLKDAQGLPGAGGGDNSGTAENGRHADLAALYTI VAVFPSPLAAHNASRLNNSVSRFKLRVAKK
NYDLRILERASSQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001130557

ORF Size: 2979 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).

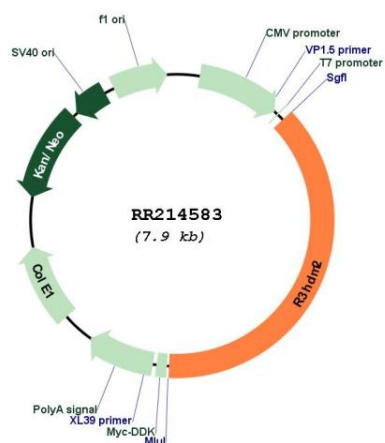
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_001130557.1](#), [NP_001124029.1](#)

RefSeq Size: 3746 bp

RefSeq ORF: 2982 bp
 Locus ID: 362894
 Cytogenetics: 7q22
 MW: 108.8 kDa

Product images:



Circular map for RR214583