

Product datasheet for MR203443

R3hdm4 (NM_177994) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	R3hdm4 (NM_177994) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	R3hdm4
Synonyms:	A1503502; C030046I01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203443 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGCTCTGGACAACTCAGAAGCGGCCCGGAGGCTACCCCGAGCGGGGAGACCAGGCTGTCCCTCC
CTGGCTGTCTCCCCCACTCAGCGGCTCACAGGTGAAGAGGGTCTCAGCGTCCAGACGCAAGCAGCATT
TATCAACCAGGCTGTGAGGAATTCGGACCTGGTCCCAGAGCTAAGGGACGGAAGAGTCTGCAGCGTTTG
GAGAATACCCAGTACCTGCTAACACTGCTGGAGACCGCTGGGGCCCTCCAGGGTGGAAGATGGGGACC
TGACTCCTGCTGCACCTGGCATCTTCGAGAGGCTGCAGCAATGCCACCTATGTGGAGGCTGGAATGA
TTTTATGAACCGCTCGGGAGAGGAGCAAGAGCGAGTGTCCGTTACTTGGAGGATGAGAGCCAGGGCAAG
CGGAGACGTGGGCTGGCCGTGGGGAGGACCGACGGAGAGAGGACCCTGTCTTACACCCACGAGTGCT
TCAGGCGCATCAGCCGTCGCTGCGGTCCGTGCTCAAGCGCAGCCGCATCCCAATGGAAACCTGGAGAG
TTGGGAGGAACGGCTGCTGGCGTTCTTCTCGGTGTCCCCCAAGCTGTGTACCCGCTATGTGGACAAC
AGCTATGAGAGGCTCCTGCTTATGCTGTGTGCCAATACATGGATCTCATCTCAGCCAGTGTGACCTGG
AGGGCCGAGGCAGATGAAAGTCAGCAACCGCCACCTGGATTTCTGCCTCCAGAGCTTCTGTTGTCTGC
CTACCTGGACCAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203443 protein sequence
Red=Cloning site Green=Tags(s)

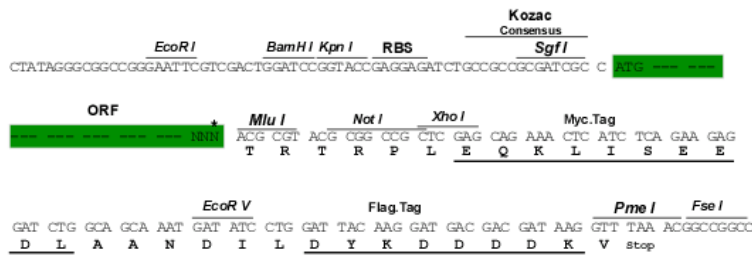
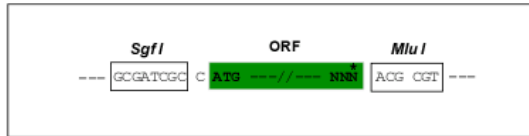
MVALDNSEGGPEATPSGETRLSLPGCLPPLSGSQVKRVASRRKQHFINQAVRNSDLVPRAKGRKSLQRL
 ENTQYLLTLETAGGPPGVEDGDLTPAAPGIFAEACSNATYVEVWDFMNRSGEEQERVLRYLEDESQ GK
 RRRGPGRGEDRRREDPVFTPHECFRRISRRLRSVLKRSRIPMETLESWEERLLAFFSVSPQAVYTAMLDN
 SYERLLLHAVCQYMDLISASADLEGRQMKVSNRHLDFLPELLLLSAYLDQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177994

ORF Size: 789 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_177994.5](#)

RefSeq Size: 1821 bp

RefSeq ORF: 789 bp

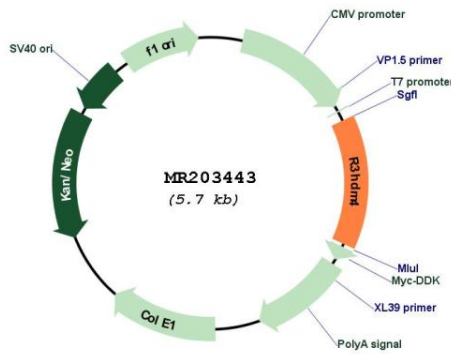
Locus ID: 109284

UniProt ID: [Q4VBF2](#)

Cytogenetics: 10 C1

MW: 29.7 kDa

Product images:



Circular map for MR203443