

Product datasheet for **MG217146**

R3hdm2 (NM_027900) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	R3hdm2 (NM_027900) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	R3hdm2
Synonyms:	1300003K24Rik; AU041262; mKIAA1002
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217146 representing NM_027900
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTAACAGTAACACTACTCAGGAGACTCTGGAATAATGAAAGAATCAGAAAAAACTGGTGGAAAG
 AATCTGTAACAAAAAATAAATTTATATCCAAAACCTCCAAGTAAGGAAGACGTCGAGAAGGAGGGTGAAGA
 GAATGGTCTGCGTCAGGAGACACAGAGACGGACATCCAGTCATGGCCATGCCAGGAAAAGAGCCAAGTCT
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 AAAAGATGTCTCTGAAAAGGAAGACAAGGACAAAAGCAAAGAAAGGTCCCAAGGAAGATGCTATCCAGA
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 CAAGAGAGATGATGCCAGTATGGACCGAGATGATAACCAGACCGGCCAGAATGGATATCTGAATGACATC
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 GGGGGGACAACAGTGGGACTGCTGAGAAGGCCGCCACCCGGACCTCGCAGCCCTGTACAGGATAGTGGC
 TGTGTTCCCAAGCCCTGGCCGCCAGAACGCCTCCCTTCGCCTCAACAACCTGTGAGTGCCTCAA
 CTCGAGTGGCTAAAAAGAACTACGACCTGAGGATCCTGGAACGAGCTAGCTCTCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217146 representing NM_027900
 Red=Cloning site Green=Tags(s)

MSNSNTTQETLEIMKESEKLVVEESVNKNKFISKTPSKEDVEKEGEENGLRQETQRRTSSHGHARKRAKS
 NSKLKLVRLAVCEESSTPFVDGPLDTQDIQLHI SCPSDKKEEKSTKDVSEKEDKDKSKEKVPKMLSR
 DSSQEYTDSTGIDLHEFLVNTLKKNPRDRMMLLKLEQEILDFINDNNNQFKKFPQMTSYHRMLLHRVAAY
 FGMHDHNVDTGKAVIINKTSSTRIPEQRFSEHIKDEKNTEFQQRFILKRDDASMDRDDNQTGQNGYLNDI
 RLSKEAFSSSSHKRRQIFRGNREGLSRTSSSRQSSTSELKSLPRPWSSTDSDGSVRSRMRPPVTKASSF
 SGI SIL TRGDSIGSSKGG SAGRLSRPGMALGAPEVCNQVTSPQSVRGLLPCTAQQQQQQQQQQQLPALP
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 HPVAYSPPQRGQQLPQASQQPGLQPMMSNQQTAYQGMLGVQQPNQGLLSNQRSSMGGQMQLVVQYTPL
 PSYQVPVGSQSNVVQPSFQQPMLVPASQSVQGGPLTGGVPVYYSMIPPAQNGTSPSVGFLQPPGSEQY
 QMPQSPSPSPQMSQQYSGVSPSGPVVVMQLNVPNGPQAPQNP SMVQVSHCKYYSVEQRGQKPGDLYS
 PDGSPQANAQMGSSPVTSPQSPAPSPVTSLSNVCTGLSPLPVLTPFPRPGGPAQGDGRYSLLGQPLQYN
 LSI C P L L H G Q S T Y T V H Q Q S G L K H G N R K R Q A L K S A S T D L G T A D V V L G R V L E V T D L P E G I T R T E A D K L F
 T Q L A M S G A K I Q W L K D A Q G L P G A G G G D N S G T A E N G R H P D L A A L Y T I V A V F P S P L A A Q N A S L R L N N S V S R F K
 L R V A K K N Y D L R I L E R A S S Q

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

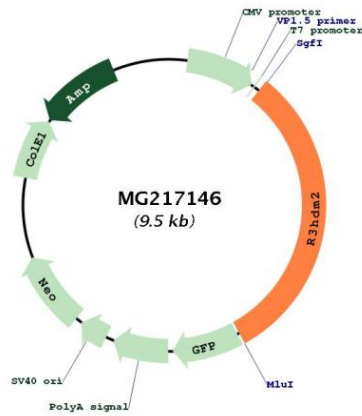
Cloning Scheme:



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:	<ol style="list-style-type: none"> 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:	<u>NM_027900.4, NP_082176.4</u>
RefSeq Size:	4231 bp
RefSeq ORF:	3000 bp
Locus ID:	71750
UniProt ID:	<u>Q80TM6</u>
Cytogenetics:	10 D3

Product images:


Circular map for MG217146