

Product datasheet for **MG203443**

R3hdm4 (NM_177994) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	R3hdm4 (NM_177994) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	R3hdm4
Synonyms:	A1503502; C030046I01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203443 representing NM_177994 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGCTCTGGACAACTCAGAAGCGGCCCGGAGGCTACCCCGAGCGGGGAGACCAGGCTGTCCCTCC
CTGGCTGTCTCCCCCACTCAGCGGCTCACAGGTGAAGAGGGTCTCAGCGTCCAGACGCAAGCAGCATT
TATCAACCAGGCTGTGAGGAATTCGGACCTGGTCCCAGAGCTAAGGGACGGAAGAGTCTGCAGCGTTTG
GAGAATACCCAGTACCTGCTAACACTGCTGGAGACCGCTGGGGCCCTCCAGGGTGGAAGATGGGGACC
TGACTCCTGCTGCACCTGGCATCTTCGAGAGGCTGCAGCAATGCCACCTATGTGGAGTCTGGAATGA
TTTTATGAACCGCTCGGGAGAGGAGCAAGAGCGAGTGTCCGTTACTTGGAGGATGAGAGCCAGGGCAAG
CGGAGACGTGGGCTGGCCGTGGGGAGGACCGACGGAGAGAGGACCCTGTCTTACACCCACGAGTGCT
TCAGGCGCATCAGCCGTCGCTGCGGTCCGTGCTCAAGCGCAGCCGCATCCCAATGGAAACCCTGGAGAG
TTGGGAGGAACGGCTGCTGGCGTTCTTCTCGGTGTCCCCCAAGCTGTGTACACCCTATGTCTGGACAAC
AGCTATGAGAGGCTCCTGCTTATGCTGTGTGCCAATACATGGATCTCATCTCAGCCAGTGTGACCTGG
AGGGCCGAGGCAGATGAAAGTCAGCAACCGCCACCTGGATTTCTGCTCCAGAGCTTCTGTTGTCTGC
CTACCTGGACCAGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203443 representing NM_177994
Red=Cloning site Green=Tags(s)

MVALDNSEGGPEATPSGETRLSLPGCLPPLSGSQVKRVASARRKQHFINQAVRNSDLVPRAKGRKSLQRL
 ENTQYLLTLETAGGPPGVEDGDLTPAAPGIFAEACSNATYVEVWDFMNRSGEEQERVLRYLEDESQ GK
 RRRGPRGEDRRREDPVFTPHECFRRISRRLRSVLKRSRIPMETLESWEERLLAFFSVSPQAVYTAML DN
 SYERLLLHAVCQYMDLISASADLEGRQMKVSNRHLDLFPPELLLSAYLDQQ

TRTRPLE - GFP Tag - V

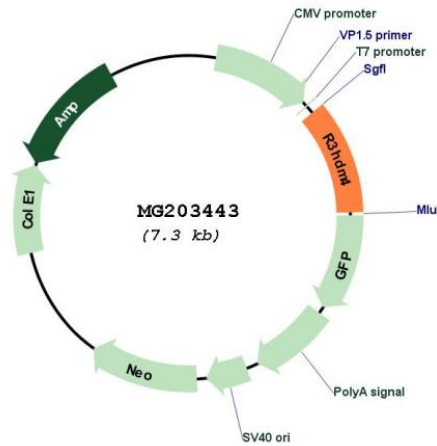
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_177994

ORF Size: 786 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:	NM_177994.5
RefSeq Size:	1821 bp
RefSeq ORF:	789 bp
Locus ID:	109284
UniProt ID:	Q4VBF2
Cytogenetics:	10 C1