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Product datasheet for MR203414

H2-DMb1 (NM_010387) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2-DMb1 (NM_010387) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	H2-DMb1
Synonyms:	AI385589; H-2Mb1; H2-Mb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR203414 representing NM_010387
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCACTCTGGCTGCTGCTGCTGGTCCTCAGTCTGGACTGTATGGGGGCAGGTGGCTTTGTGGCTC
ATGTGGAAAGCACGTGCGTGCTGGATGATGCTGGGACCCCACAGGACTTCACATACTGTGTTTCCTTCAA
CAAAGATCTGCTGGCCTGCTGGGATCCAGATGTGGGAAAAATAGTCCCCTGTGAATTTGGGGTGCTGTAT
CCATGGGCCGAAAATTTTTCAAGGATCCTCAACAAAGAAGAGAGCCTTCTCCAGCGTTTGCAAAACGGGC
TTCTGGACTGTGCCTCCCACACCCAGCCCTTCTGGAATGCGCTGACCCACAGAACGAGAGCGCCATCTGT
CCGAGTAGCCCAAACCACACCTTTTAACACAAGGGAGCCGGTGATGCTGGCCTGCTACGTCTGGGGCTTC
TATCCAGCGGATGTGACCATCACATGGATGAAGAATGGGCAGCTTGTCCCTTCCCACAGCAACAAGGAGA
AGACGGCTCAGCCCAATGGAGACTGGACATACCAGACAGTCTCCTACCTAGCCCTAACCCCTTCCTACGG
GGACGTCTACACCTGCGTGGTTCAGCACAGCGGGACCTCTGAGCCCATCCGAGGGGACTGGACACCTGGG
CTGTCCCCCATCCAGACAGTGAAGGTCTCTGTGTCTGCAGCCACCCTGGGCCTGGGCTTCATCATCTTCT
GTGTTGGCTTCTTCAGATGGCGCAAGTCTCATTCCTCCAGCTACACTCCTCTCTCTGGATCCACCTACCC
GGAAGGACAGCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

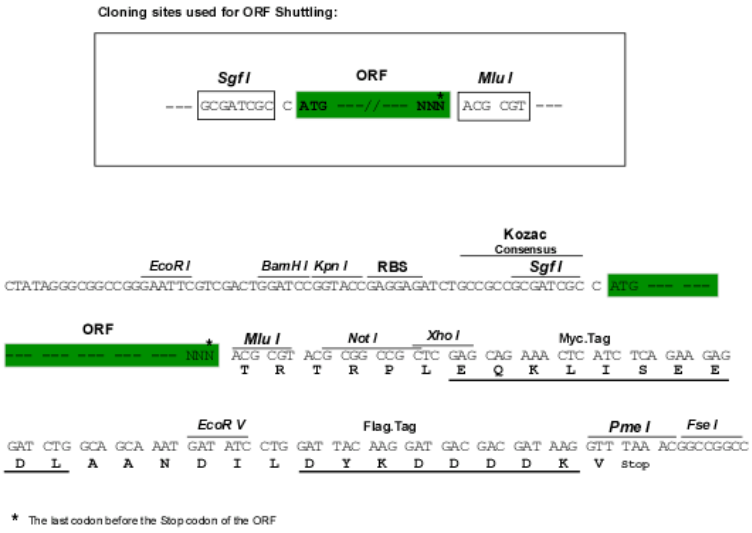
>MR203414 representing NM_010387
Red=Cloning site Green=Tags(s)

MAALWLLLLVLSLDCMGAGGFVAHVESTCVLDDAGTPQDFTYCVSFNKDLLACWDPDVGKIVPCEFGVLY
PWAENFSRILNKEESLLQRLQNGLLDCASHTQPFWNALTHRTRAPSVRVAQTTPFNTREPVMLACYVWGF
YPADVTITWMKNGQLVPSHSNKEKTAQPNGDWTYQTVSYLALTPSYGDVYTCVVQHSGTSEPIRGDWTPG
LSPIQTVKVSVSAATLGLGFIIFCVGFFRWRKSHSSSYTPLSGSTYPEGQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010387

ORF Size: 783 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_010387.3, NP_034517.2

RefSeq Size: 1285 bp

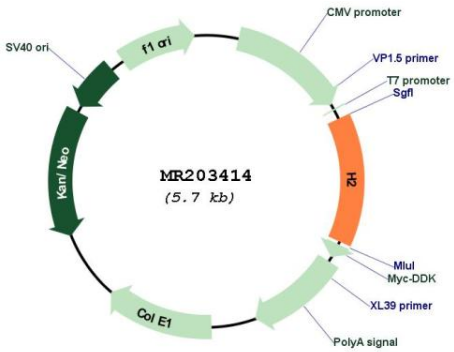
RefSeq ORF: 786 bp

Locus ID: 14999

Cytogenetics: 17 17.98 cM

MW: 29.4 kDa

Product images:



Circular map for MR203414