

Product datasheet for MR203397

H2-DMa (NM_010386) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2-DMa (NM_010386) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: H2-DMa
Synonyms: H-2Ma; H2-Ma
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR203397 representing NM_010386
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGAGCATGAGCAGAAGTCAGGAGCTGTGCTGCTGAGGCTGCTGCGCCTTCTGTGGCTGCTGCCCCACT
 CCTGGGCGGTGCTCGAAGCATCTACACCAGTGTCTGGGATGACCCACAGAACCACACATTCCGGCACAC
 TCTATTCTGCCAGGACGGGATCCCAACATAGGGCTCTCGGAGACCTATGACGAGGACGAACTCTTCTCC
 TTCGACTTCTCCAGAACACCAGAGTGCCCGACTGCCTGACTTTCAGAGTGGGCTCAGGGACAGGGGG
 ATGCCTCTGCCATTGCATTTGACAAAAGCTTCTGCGAGATGTTGATGCGGGAAGTGAGCCCGAAGCTTGA
 AGGTCAAATCCCAGTGTCCAGAGGTTTGCTGTGGCAGAGGATTCACACTGAAGCCCCTGGAGTTTGGC
 AAGCCCAACACGTTGGTCTGTTTCATCAGCAACCTCTTTCCACCGACCCTGACCGTGAACGGCAGCTTC
 ACTCGGCCCTGTGGAGGGAGCCAGCCCCACATCCATCTCAGCTGTGATGGGCTGACCTTCAGGCTTT
 CTCTTATTTAAACTTCACACCGGAACCTTTGACCTTTACTCCTGCACTGTGACACACGAGATTGACCGC
 TACACGGCAATTGCCTATTGGGTACCCAGAACGCCCTGCCTTCGGATCTCCTAGAGAATGCCCTGTGTG
 GTGTGGCCTTTGGCCTCGGTGTGCTAGGCACCATCATGGGCATTGTCTTCTCTCTGCTCCAGAGACC
 GTGCTCAGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203397 representing NM_010386
Red=Cloning site Green=Tags(s)

MEHEQKSGAVLLRLLRLLWLLPHSWAVLEASTPVFWDPPQNHTRHTLFCQDGPNIIGLSETYDEDELFS
 FDFSQNTRVPRLPDFAEWAQGGDASIAFDKSFCEMLMREVSPKLEGQIPVSRGLPVAEVFTLKPLEFG
 KPNTLVCFISNLFPPTLTVNWQLHSAPVEGASPTSISAVDGLTFQAFSYLNFTPEPFDLYSCTVTHEIDR
 YTAIAYWVPQNALPSDLLLENALCGVAFGLGVLGTIMGIVFFLCSQRPCSGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010386

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_010386.4](#), [NP_034516.3](#)

RefSeq Size: 1658 bp

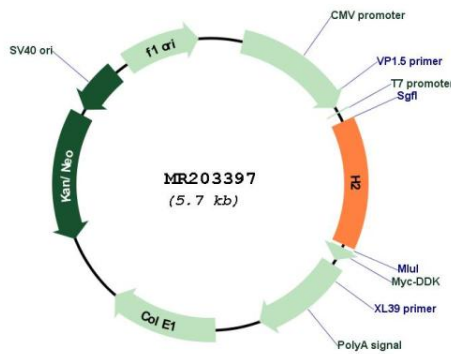
RefSeq ORF: 786 bp

Locus ID: 14998

Cytogenetics: 17 17.98 cM

MW: 29.5 kDa

Product images:



Circular map for MR203397