

## Product datasheet for **MC217658**

### **Dmrta2 (NM\_172296) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dmrta2 (NM_172296) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dmrta2
Synonyms:	Dmrt5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217658 representing NM\_172296  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCTGCGCTCGGAGCTGCCACGCTGCCCGGTGCGGCGACAGCAGCAGCGACAGCGACGGGACCAC  
 CCGTGGCATCGGTGGCGTCGGTGGCTGCGGCGGCAGCTGCCGCAGCATCGCTACCAAGTGAGCGTGGCCGG  
 AGGCTTGTGCGGGCGCCGCGCTGCTGTTGAGGGCAGCGGAGAAGTACCCGCGGACCCCAAGTGCGCG  
 CGCTGCCCAACACGGAGTGGTGTCCGCGCTCAAGGGCCACAAGCGCTACTGCCGCTGGAAGGACTGCC  
 TGTGCGCAAGTGTACGCTCATCGCGAGCGCCAGCGCTCATGGCGGCTCAGGTGGCCTTGCGCAGGCA  
 GCAGGGCAGGAGGAGAACGAGGCGCGGAGTTGCAATTGCTGTACGGCACTGCCGAGGGCTGGCGCTG  
 GCCGCCCAACGGCATCATCCCCCGCGGCTGCCTACGAAGTCTTTGGCTCGGTTTGCGCCACCGACG  
 GCGGGGTCTTGAGCTGGAGCGCCCGGGGAGTGCAGGGGGCGAGGGGGCGCAGAGGCCAAATTGCA  
 GAAGTTTGATCTGTTTCCAAGACGCTGCTTCAGGCCGGCCGCCGACAGTCCGCAGCCGCCCGCAGGG  
 AAGCCCTGTGCGCCGACGGCGCGGACTCAGGTCCCGGACCTCGTCCCGGAGGTGCGGCCCGGCTCAG  
 GCTCGGAGAACGGAGACGGCGAGTCTTTTCCGGTTCGCTCTGGCCCGGGCTCCAAGGAGCGGGTGG  
 CAGCTGTCTGGGAGCGCGGGCGCCGGTGGCGGCGAGGAGGACAGCCCCGGCTCTCCAGCCCCCTG  
 GGTTCCGAATCGGGTTCGGAGGCTGACAAAGAAGAAGCCGAGGCCGCACCGACTCCGGGGCTGGCGGGC  
 GGCCGGGGCCGCGCAGCGGACGCCGCTGGACATCTTGACGCGCGTCTTCCCGGGCCACCGGAGAGGCGT  
 CCTGGAGCTGGTGTGCAGGGCTGTGGCGGCGACGTGGTGCAGGCCATCGAGCAGGTGCTCAACCACCAC  
 CGCGGAGGCTGGCGGCTGGCTGGGCCCGCCGACCGCTGGAGAAGGCCGGTGGAGCGCGGGTGG  
 AGGACGGTGGCCCGGGCGGTGGAGGCCGACCGCGGGGGAGCCGGTTGCCCGCTCCGCTGCAGAC  
 CGGGCCACCGGCCCGCCGACACAGACCCTTGCTGGCCGGGGCCATGACGCCCGCGCGCTGGGCTCG  
 CTCAGCAGCCGCTCCGCCTTCTCGCACTGCAGCCCAATGCCAGCCACTTCGGCGCCGACGCGGGCGCT  
 ACCCTCTGGTGCGCGCTCGGCCTGAGCCCCCTGCGCCTGGCCTACTCGGCGGCGGGCCACAGCCG  
 CGGCCTGGCCTTATGGCGCCCTACTCCAGGCCGGCCTGGTGGCCACACTCGGTTTTCGGCCGCCATG  
 GACTACGCCTCAGCGACCTCATGCGGACCGCTCGGCCGCTGCCGCGCTCGGTGCACAAGGAGCCCG  
 GCTACGGGGCGGGCTGTACGGGCCATGGTCAACGGCACCCCTGAGAAGCAGTAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_172296

**Insert Size:** 1596 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_172296.2](#), [NP\\_758500.2](#)

**RefSeq Size:** 2947 bp

**RefSeq ORF:** 1596 bp

**Locus ID:** 242620

**UniProt ID:** [A2A9A2](#)

**Cytogenetics:** 4 C7

**Gene Summary:** May be involved in sexual development.[UniProtKB/Swiss-Prot Function]