

Product datasheet for **MC218000**

Dmrt2 (BC027669) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dmrt2 (BC027669) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dmrt2
Synonyms: Terra
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC027669
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGAAGAGAAGACCTTTGCTGACAAGGAGTTGGAGAACATTATGCTGGAGAGAGAATATAAGAGA
GGGAGATGTTAGAAACATCTCAAGCTGCTGCCTTATTCCTGCCCAACCGTATGGTGCCTGGACCCGAGTA
CAGTTCCTACAAAGGTACCTACAGCCCCACTGCAGGAGAGCTGCCGAGCAAGGACTTCTGTAACCTTTT
CCTACCTGCCTTGATCTCACCATGCAGTATTCAGGGTCTGGGAATATGGAACCTATTTCTCTAAGTCA
GTGTGGCCACAACCTACAGACAATATCCCCTGTCTCACGATTTTTAGTTTGGCCCAAGTCCGGTCCCAT
TAGTGACACCTTCTCTACCAGCAATATCTGTTAAATGCTACCACTTCTGTCCAAGCTCTGAAGCCGGGG
ACCGGCTGGGACTTGAAGGAACCCGAGTTCAGGATGGGCTTAGCGCAGAGCAAGACATGATGCCACCCA
AACTGGAAGGCTCTCTGGTGTGCCCATCTGCCAGAGTCCCAGCCTCGAGAACAGACCTTCAGGTTCA
CCAGGTGGTCCAGAGAGGTCTGCCTTCTCCCCACCCGGTCGGAATTTCTCTCCATTGTTGATATGGAC
TGCCTGGCAGCTCAAGGGCACGTCTTAACCAAGCTCAGCAAAGAAAACACTAGACCTTCTCTGCCACTTA
AACTAATCCATTCCACTCAGTATTCAGCAGACGCTCAGCGACAAATCAGGCCCTGAGTTGAACGCACC
ATTTGTCAAAGAAGCCTTTGAAGAGACCCAAAGAAACACAGAGAGTGTGGTCAAGGAGAGCCAGAAG
TACACATTTACAATAGACAGATGCGCAAAAGACCTCTTTGTAGCCAAACAAGTTGGAACGAACTTTCGG
CGAATGAGCCACTGTCGTTCTCTGTCGAATCTATTCTTAAGAGGCCTTCATCTGCCGTCCTCACGTCTC
TCAGTAA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC027669



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Insert Size:	987 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:	<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>BC027669</u> , <u>AAH27669</u>
RefSeq Size:	1304 bp
RefSeq ORF:	986 bp
Locus ID:	226049
Cytogenetics:	19 C1
Gene Summary:	Transcriptional activator that directly regulates early activation of the myogenic determination gene MYF5 by binding in a sequence-specific manner to the early epaxial enhancer element of it. Involved in somitogenesis during embryogenesis and somite development and differentiation into sclerotome and dermomyotome. Required for the initiation and/or maintenance of proper organization of the sclerotome, dermomyotome and myotome. Is not required for sex determination and/or differentiation in embryonic development. Also not involved in symmetric somite formation and hence does not regulate the laterality pathway that controls left-right asymmetric organ positioning.[UniProtKB/Swiss-Prot Function]