

Product datasheet for **MC216426**

Dmrt3 (NM_177360) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmrt3 (NM_177360) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dmrt3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216426 representing NM_177360
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGGCTACGGCTCCCCCTACCTGTACATGGCGGCCCGGTGTGCGAGCCGCCCGGGCCGCCCTTGC
 AGCGCACGCCCAAGTGCAGCGCTGCCGGAACACGGGGTGTGTCTGGCTCAAGGGCCACAAGCGCTA
 CTGTGCGTTCAAGGACTGCACCTGCGAGAAGTGCATCCTGATCATCGAGCGGCAGCGGTGATGGCGGCG
 CAGGTGGCGCTGCGCAGGCAGCAGGCCAACGAGAGCCTGGAGAGCCTCATCCCGACTCGTGGCGGCTC
 TGCCAGGGCCCCCGCCGGGGGACGCTGCGGCCACCGCCGCTACCGCCTCGCAGTCGTCGCCAGCCTC
 CCAAGCGTCCCAGCCGCCCGCCGCTCGTCCCACCGGGAGTTGGCCGCGCCGCCGCTGCGCTGG
 GTCGCGGAGCCCCAGCCGGGACGCTGCCAGCGCAGCTTGCTAAACCAGATCTGACAGAAGAGAGATTG
 GGGACAGCAGTTCCACGGACAACACTGCGGAGGCCTTCAGTGACAAAGACACCGATCAGAGGAGCTCCCC
 AGATGTTGTCAAAGCAAGAAGTCTTCACTCCGAGAGCCCCGAGATCGTGTCCGTGGATGAAGGTGGG
 TACGCCGTGCAGAAAAACGGGGCAACCCCGAGAGCTGCCCGACAGCCCCAAGTACCACGCTGAGCAGA
 GCCACCTCCTGATCGAGGGCCATCGGGGACCGTCTCTGCCCCTCAGCTTGAAAGCCAACCGGCCACC
 CCTGGAAGTGTGAAGAAAATCTTTCCCAACCAGAAGCCCACTGTCTGGAGCTCATCTTGAAAGTTGC
 GGGGGCGACCTGGTCACTGCCGTGGAGTCTGCTGTCCAGTCGCTCCTCCGCGGCTGGGGCGGAGCGGA
 CGGCCGAAGAGAGCCTGGTGTGCCCTTAGCGGCCATATCTTTGAACACACGCTGGGCTCCTACCTAT
 CTCTTCTCCAAGTGGTCCGTGGGCTCTGCCTCCGTGTCCGTGACACCTTACGCTTTCCCGAGACTCC
 AGCAACGTGGTCCCCAACCCCTTGCCGTGCCCTGCAGCATCCTTTCCCGAGCCACCTCGGTACCCGC
 TGATGCTGAGGAATACTTTGGCCAGAAACAGTCGAGCCCTTTTACCCTGACGTCACCTGTGGAA
 CACCATGACGCTGCAGCAGCAGTACCAGCTGAGTCCAGTATGTCAGTCCATTTCCAGTAACCTCACT
 AGCGTCTTCCGGAGCTCGCCCGTCTCTCTCCCGCACCACCGAGGACCTCGGATCTCCATCCCTGACG
 ACGGTTGTCCAATCGTGACAAAGCAGTCCATCTACACAGAGGATGACTATGACGAGAGGTGACTCCTC
 GGATTCTAGAATACTCAACACGTCATCG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_177360
- Insert Size:** 1431 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_177360.3](#), [NP_796334.2](#)

RefSeq Size: 2401 bp

RefSeq ORF: 1431 bp

Locus ID: 240590

UniProt ID: [Q80WT2](#)

Cytogenetics: 19 B

Gene Summary: Probable transcription factor that plays a role in configuring the spinal circuits controlling stride in vertebrates. Involved in neuronal specification within specific subdivision of spinal cord neurons and in the development of a coordinated locomotor network controlling limb movements. May regulate transcription during sexual development.[UniProtKB/Swiss-Prot Function]