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Product datasheet for SC125918

DMRT1 (NM_021951) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DMRT1 (NM_021951) Human Untagged Clone
Tag:	Tag Free
Symbol:	DMRT1
Synonyms:	CT154; DMT1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene sequence for NM_021951 edited
GGGGGCCAGAGTGCTCGCACTTCTCCTAGGGGCACCATGCCCAACGACGAGGCATTCAGC
AAGCCCTCTACACCGTCGGAAGCCCCTCACGCCCCCGGGGTACCGCCGCAGGGCAGAGCC
GGGGGCTTTGGCAAAGCGTCTGGGGCGCTAGTGGGGGCGGCCAGCGGCTCGAGCGCCGGG
GGCAGCAGCAGAGGAGGCGGCTCCGGCTCCGGGGCGTCGGACCTGGGTGCCGGGAGCAAG
AAGTCCCCGCGGCTGCCCAAGTGCGCACGCTGCAGGAACCACGGCTACGCCTCGCCGCTC
AAGGGCCACAAGCGCTTCTGCATGTGGCGCGACTGCCAGTGCAAGAAGTGCAACCTGATC
GCCGAGAGGCAGCGCGTGATGGCCGCGCAGGTGGCCCTGAGAAGGCAGCAGGCCCAGGAG
GAGGAATTGGGTATCAGCCACCCCATCCCACTGCCCAGTGCGGCCGAGCTGCTTGTCAAA
AGAGAGAACAATGGCAGTAACCCGTGCCTCATGACTGAGTGCAGTGGCACCTCTCAGCCA
CCGCCGGCCAGTGTCCCCACCACTGCAGCTTCAGAGGGACGTATGGTCATCCAGGATATT
CCTGCTGTCACCAGCAGAGGGCATGTGGAGAACACACCTGACCTGGTTTCAGACTCCACC
TACTACAGCAGCTTCTACCAGCCGTCTCTGTTTCCTTATTACAACAATCTATACAACTGC
CCGCAGTACTCCATGGCCTTGGCTGCTGATTCTGCTTCTGGGGAGGTGGGAAATCCCCTC
GGGGGATCCCCTGTGAAGAACAGCCTTCGGGGCCTCCCCGGACCTTATGTGCCTGGTCAG
ACAGGAAACCAGTGGCAGATGAAGAACATGGAGAACCGCCATGCAATGAGCTCCCAGTAC
AGGATGCATTCTTACTACCCGCCTCCCTCTTACCTGGGCCAGAGCGTGCCCCAGTTCTTC
ACTTTTGAGGATGCTCCCTCTTACCCGGAAGCCAGGGCGAGCGTATTCTCGCCGCCCAGC
AGTCAAGATTCTGGCTTGGTTTCCCTCTCGAGCAGCTCTCCTATTAGTAACAAGAGCACA
AAGGCAGTGCTTGAATGTGAGCCTGCGTCGGAGCCCAGCAGCTTCACAGTCACTCCCGTC
ATCGAGGAGGACGAGTGAGCAGTGCCTGCTGCCGATGGCGGTTCACTTGGAGTAACAGGC
TTATTCCACTTTCCATGGGGTTTGTTAATATTTTGCATTGACTCATACTATCTTAACTGT
TGAGAACGTATTTGGTTTATATTCCTTAGAGTTTAGTCCAGAGGCTGTAACACATTTGTA
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AAAATTAGTGATTTTTTTAGAAGTCTGCTAAATGGATATATTGTGTGTGTTGCTGTTGGA
AATAGCCCCACCCCATCCTCCCAATCCAAAACGTAACTGAAATATAATCAGAAACATTAA
AGCCTGTAAAAAAAAATTGCTGCGTTTTTGGTAAAGGGTGTAATTTGTAAACAGTGCAAT
TTAAAGTGACCTTAGTGATGCAGAGTTCCTGAGTGGTGTTTGTAGAATGAGTTTATCATA
CATTCTTTCTACTACTGGAAAAAAATGGATGCAGTCTGGACTGTTGTAACCTTAGGTTGT
AATCTGATTTGGAAATAAGTACATCTTTAAAAGTTGCTACAGATTTGAGTTCATGATTTT
GTTAAAAATTGCTATGGAGTACTTTGTTATATAACAGAAGCCATCCTGAAATGAAACTAG
TCTAAAAAAATTCATTGTTCTACTTAGTTGCAGCTGTACCTGAAATAAAAATGTTATTGA
TGACTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_021951 unedited
NGGCGTTCANAATTTTGTNAATACGAATNCACTATAGGGNNCGGCCGCGNAATTCAGTTN
CTNNGGTACCGGTCCGGNAATTCCCGGGATGGGGGNCCAGATGCTCGCACTTCTCCTAGG
GGCACCATGCCCAACGACGAGGCATTCAGCAAGCCCTCTACACCGTCGGAAGCCCCTCAC
GCCCCCGGGGTACCGCCGCAGGGCAGAGCCGGGGGCTTTGGCAAAGCGTCTGGGGCGCTA
GTGGGGGCGGCCAGCGGCTCGAGCGCCGGGGGCAGCAGCAGAGGAGGCGGCTCCGGCTCC
GGGGCGTCGGACCTGGGTGCCGGGAGCAAGAAGTCCCCGCGGCTGCCCAAGTGCGCACGC
TGCAGGAACCACGGCTACGCCTCGCCGCTCAAGGGCCACAAGCGCTTCTGCATGTGGCGC
GACTGCCAGTGCAAGAAGTGCAACCTGATCGCCGAGAGGCAGCGCGTGATGGCCGCGCAG
GTGGCCCTGAGAAGGCAGCAGGCCCAGGAGGAGGAATTGGGTATCAGCCACCCCATCCCA
CTGCCCAGTGCGGCCGAGCTGCTTGTCAAAAGAGAGAACAATGGCAGTAACCCGTGCCTC
ATGACTGAGTGCAGTGGCACCTCTCAGCCACCGCCGGCCAGTGTCCCCACCACTGCAGCT
TCAGAGGGACGTATGGTCATCCAGGATATTCCTGCTGTCACCAGCAGAGGGCATGTGGAG
AACACACCTGACCTGGTTTCAGACTCCACCTACTACAGCAGCTTCTACCAGCCGTCTCTG
TTTCCTTATTACAACAATCTATACAACTGCCCGCAGTACTCCATGGCCTTGGCTGCTGAT
TCTGCTTCTGGNGAGGGTGGGGAATCCCCTCGGGGGGATCCCCTGTGAAGAACAGCCTTC
GGGGACTACCCCGGACCTATGTGA
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Restriction Sites: NotI-NotI

ACCN: NM_021951

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_021951.2, NP_068770.2

RefSeq Size: 2229 bp

RefSeq ORF: 1122 bp

Locus ID: 1761

UniProt ID: Q9Y5R6

Cytogenetics: 9p24.3

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene is found in a cluster with two other members of the gene family, having in common a zinc finger-like DNA-binding motif (DM domain). The DM domain is an ancient, conserved component of the vertebrate sex-determining pathway that is also a key regulator of male development in flies and nematodes. This gene exhibits a gonad-specific and sexually dimorphic expression pattern. Defective testicular development and XY feminization occur when this gene is hemizygous. [provided by RefSeq, Jul 2008]