

Product datasheet for **MR207627**

Dmrt3 (NM_177360) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR207627 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGGCTACGGCTCCCCCTACCTGTACATGGCGGCCCGGTGTCGCAGCCGCCCGGGCGCCCTTGC
 AGCGCACGCCCAAGTGC GCGCGCTGCCGGAACACGGGGTGTGTCTGGCTCAAGGGCCACAAGCGCTA
 CTGTGCGTTCAAGGACTGCACCTGCGAGAAGTGCATCCTGATCATCGAGCGGCAGCGGTGATGGCGGCG
 CAGGTGGCGCTGCGCAGGCAGCAGGCCAACGAGAGCCTGGAGAGCCTCATCCCGACTCGCTGCGGGCTC
 TGCCAGGGCCCCCGCGCCGGGGACGCTGCGGCCACCGCGCTACCGCCTCGCAGTCGTCGCCAGCCTC
 CCAAGCGTCCCAGCCGCCCGCGCCCTCGTCCCACCGCGGAGTTGGCCGCGCCCGCGCTGCGCTGG
 GTCGCGGAGCCCCAGCCGGGACGCTGCCAGCGCAGTTGCTAAACCAGATCTGACAGAAGAGAGATTG
 GGGACAGCAGTTCCACGGACAACACTGCGGAGGCCTTCAGTGACAAAGACACCGATCAGAGGAGCTCCCC
 AGATGTTGTCAAAGCAAGAAGTCTTCACTCCGAGAGCCCCGAGATCGTGTCCGTGGATGAAGTGGG
 TACGCCGTGCAGAAAAACGGGGCAACCCGAGAGCTGCCCGACAGCCCCAAGTACCACGCTGAGCAGA
 GCCACCTCCTGATCGAGGGCCATCGGGGACCGTCTCTGCCCCTCAGCTTGAAAGCCAACCGGCCACC
 CCTGGAAGTGTGAAGAAAATCTTTCCCAACCAGAAGCCCACTGTCTGGAGCTCATCTTGAAAGTTGC
 GGGGGCGACCTGGTCACTGCCGTGGAGTCTGCTGTCCAGTCGCTCCTCCGCGGCTGGGGCGGAGCGGA
 CGGCCGAAGAGAGCCTGGTGTGCCCTTAGCGGCCATATCTTTGAACACACGCTGGGCTCCTACCTAT
 CTCTTCTCCAAGTGGTCCGTGGGCTCTGCCTCCGTGTCCGTGACACCTTACGCTTTCCCGAGACTCC
 AGCAACGTGGTCCCCAACCCCTTGCCGTGCCCTGCAGCATCCTTTCCCCAGCCACCTCGGTACCCGC
 TGATGCTGAGGAATACTTTGGCCAGAAACAGTCCAGCCCTTTTACCCTGACGTCACCTGTGGAA
 CACCATGACGCTGCAGCAGCAGTACCAGCTGAGGTCCCAGTATGTCAGTCCATTTCCAGTAACTCCACT
 AGCGTCTTCCGGAGCTCGCCCGTCTCTCTCCCGCACCAACCGAGGACCTCGGATCTCCATCCCTGACG
 ACGGTTGTCCAATCGTGACAAAGCAGTCCATCTACACAGAGGATGACTATGACGAGAGGTCTGACTCCTC
 GGATTCTAGAATACTCAACACGTCATCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207627 protein sequence
 Red=Cloning site Green=Tags(s)

MNGYGSPYL YMGGPVSQPPRAPLQRTPKCARCRNHGVL SWLKGHKRYCRFKDCTCEKCIL IIERQVMAA
 QVALRRQQANESLES LIPDSL RALPGPPPGDAAATAATASQSSPASQASQPPAPPRPTAELAAAAALRW
 VAEPQPGTLPAQLAKPDL TEERVG DSSSDNTAEAFSDKDTDQRSSPDVVKSKNCF TPESPEIVSVDEGG
 YAVQKNGGNPESCPDSPKYHAEQSHLL IEGPSGTVSLPFLSKANRPPLEVLK KIFPNQKPTVLELILKGC
 GDDLVS AVEVLLSSRSSAAGAERTAEESLVL PSSGHI FEHTLGSYPISSSKWSVGS AFRVPDTRLRF SADS
 SNVVPNPLAVPLQHPFPQPPRYPLMLRNTLARNQSSPFLPNDVTLWNTMTLQQYQLRSQYVSPFSPNST
 SVFRSSPVLSSRTTEDPRISIPDDGCP IVTKQSIYTEDDYDERSDSSDSRILNTSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_177360

ORF Size: 1431 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

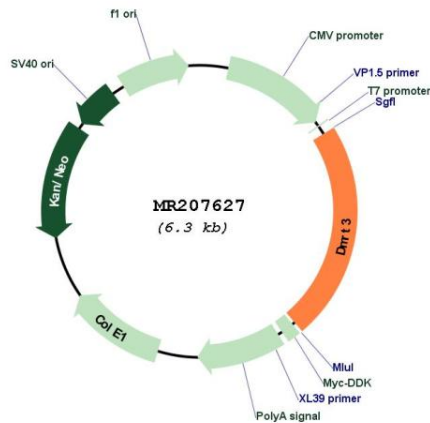
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_177360.3, NP_796334.2](#)
RefSeq Size: 2401 bp
RefSeq ORF: 1431 bp
Locus ID: 240590
UniProt ID: [Q80WT2](#)
Cytogenetics: 19 B
MW: 51.5 kDa

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]

Product images:



Circular map for MR207627