

Product datasheet for **MR216417**

Dmrta2 (NM_172296) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR216417 representing NM_172296
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGCGCTCGGAGCTGCCAGCGTGCCCGGTGCGGCGACAGCAGCAGCGACGACGCGGACCAC
 CCGTGGCATCGGTGGCGTCGGTGGCTGCGGCGGACAGTGCAGCAGCATCGCTACCACTGAGCGTGGCCGG
 AGGCTTGCTGCGGGCGCCGCGTGTGTTGAGGGCAGCGGAGAAGTACCCGCGGACCCCAAGTGCAGCG
 CGCTGCCCAACACGGAGTGGTGTCCGCGCTCAAGGGCCACAAGCGCTACTGCCGCTGGAAGGACTGCC
 TGTGCGCAAGTGTACGCTCATCGCCGAGCGCCAGCGCTCATGGCGGCTCAGGTGGCCTTGCGCAGGCA
 GCAGGCGCAGGAGGAGAACGAGGCGCGGAGTTGCAATTGCTGTACGGCACTGCCAGGGGCTGGCGCTG
 GCCCGCCCAACGGCATCATCCCCCGCGGCTGCCTACGAAGTCTTTGGCTCGGTTTGCGCCACCGACG
 GCGGGGGTCTGGAGCTGGAGCGCCCGGGGAGTGCAGGGGGCGCAGGGGGCGCAGAGGCCAAATTGCA
 GAAGTTTGATCTGTTTCCCAAGACGCTGCTTCAGGCCGGCCGCCGACAGTCCGCAGCCGCCCGCAGGG
 AAGCCCTTGTGCGCCGACGGCGCGGACTCAGGTCCCGGACCTCGTCCCGGAGGTGCGGCCCGGCTCAG
 GCTCGGAGAACGGAGACGGCGAGTCCTTTTCCGGTGCCTCTGGCCCGGGCCTCCAAGGAGCGGGTGG
 CAGCTGTCTGGGAGCGCGGGCGCGGGTGGCGGCGAGGAGGACAGCCCGGCTCCTCCAGCCCCCTG
 GTTCCGAATCGGTTTCGGAGGCTGACAAAGAAGAAGCCGAGGCCGACCGACTCCGGGGCTGGCGGGCG
 GGCCGGGGCGCGGCGAGCGGACCGCGTGGACATCTTGACGCGGCTTTCCCGGGCCACCGGAGAGGCGT
 CCTGGAGCTGGTGTGACGGCTGTGGCGGCGAGTGGTGCAGGCCATCGAGCAGGTGCTCAACCACCAC
 CGCGGAGGCTGGCGGCTGGCTGGGCCCGCCGACCGCTGGAGAAGGCCGCGGTGAGCGCGGGTGG
 AGGACCGGTGGCCGGGCGGTGGAGGCCGACCGCGGGGGAGCCGGTTGCCGCTCCGCTGCAGAG
 CGGGCCACCGCCCGCCCGCACACAGACCCCTTGTGCGCGGGCCATGACGCCCGCGGCTGGGCTCG
 CTGAGCAGCCGCTCCGCTTCTCGCCACTGCAGCCCAATGCCAGCCACTTCGGCGCCGACGCGGGCGCT
 ACCCTCTGGTGCGCCGCTCGGCTGAGCCCCCTGCGCCTGGCCTACTCGGCGGGCGGGCCACAGCCG
 CGGCTGGCTTTCATGGCGCCCTACTCCAGGCCGGCCTGGTGGCCACACTCGGTTTTCGGCCGCCATG
 GACTACGCTTACGCGACCTCATGCGGACCGCTCGGCCGCTGCCCGGCTCGGTGCACAAGGAGCCCG
 GCTACGGGGCGGGTGTACGGGCCATGGTCAACGGCACCCCTGAGAAGCAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216417 representing NM_172296
 Red=Cloning site Green=Tags(s)

MELRSELPSVPGAATAAATATGPPVASVASVAAAAAASLPVSVAGLLRAPPLLLRAAEKYPRTPKCA
 RCRNHGVVSALKGHKRYCRWKDCLCAKCTLIAERQVMAAQVALRRQQAQEENEARELQLLYGTAEGLAL
 AAANGIIPRPAYEVFVSVCATDGGPGAGAPAGSAGGAGGAEAKLQKFDLFPKTLQAGRPDSPQPPPG
 KPLSPDGADSGPRTSSPEVRPGSGSENGDGESEFSGSPLARASKEAGGSCPGSAGAGGGGEEDSPGSSPL
 GSESGSEADKEEAEAAPTPGLGGPGPRQRTPLDILTRVFPGHRRGVLELVLQCGGDVVQAIQVNLNH
 RGGLAAGLGPAAPLEKAAVSAVEDAWPGRVEAAAAGGAGLPAPLQTGPTAPPHRPLLAGAMTPGALGS
 LSSRSFSPNQPNASHFGADAGAYPLGAPLGLSPLRLAYSAAAAHSRGLAFMAPYSTAGLVPTLGFPRPM
 DYAFSDLMRDRSAAAAAVHKEPGYGGGLYGPVNGTPEKQ

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9092_g02.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_172296

ORF Size: 1593 bp

OTI Disclaimer: 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_172296.2](#), [NP_758500.2](#)

RefSeq Size: 2947 bp

RefSeq ORF: 1596 bp

Locus ID: 242620

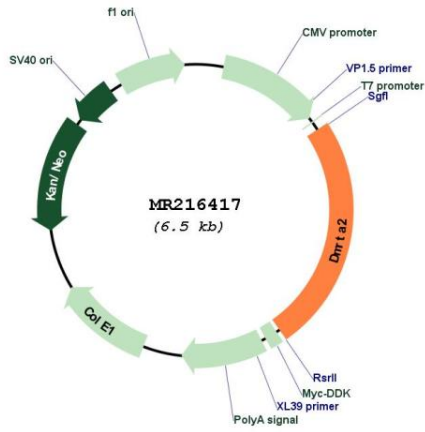
UniProt ID: [A2A9A2](#)

Cytogenetics: 4 C7

MW: 52.9 kDa

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

Product images:



Circular map for MR216417