

Product datasheet for **RR213863**

Dmrta1 (NM_001107945) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmrta1 (NM_001107945) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dmrta1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR213863 representing NM_001107945
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCAATTTCTCGTAGAGACCGCAGTGGCGGGTGCCGACCCATCTGGGCCAGGGCGGGCTGTTG
 CTCCCCTTCGGCTGCGCGGTGCGTGTCTCGGGGATCCCGGTGTCCGCGACTTTCTAAGGCCGCTGG
 CCTTTTTCTGCGATCCACCGCAAGTGC GGTCGCGCAGGATGCGTTCCGGGTCTGGGCTGGATAGGGCG
 TTGGGGCGGTGGGCTGCGGCTACCCGCGGACCCGAAGTGC GCCGTTGTGCGAACCATGGCGTGGTGT
 CAGCGCTCAAGGGCCACAAGCGCTTCTGCCCTGGCGGGACTGCGCGTGTCCAAGTGCACCCTGATCGC
 CGAGCGCCAGCGTGTATGGCCGCGCAGGTGGCGCTGCGCAGGCAGCAGGCGCAGGAGGAGCGGAGGCC
 CGTGGGCTGCACAGGCTCCTGTACCAGGGGCCATCGGGGCCGGGGCTCCAGCCTCGGGGGCAGCGGCA
 GGACCGAGAGTCCCAGGTTTTGAGTAGCCCCATGACTGTAGCTGCTCTGGGAGCGGGTGCCTCTAGACA
 CCCTGGGAGCCGGTCTGTCCCAGCTTTCGAGGTTTTCCAGCAAGATTTTGTCTGAGAGAAAGCAGGAACCA
 AACAGAGTAACTGTGAGTCATGCCAGAGTAGACACGAAGAACCAGTCTCCAACACTCATACCGTTCTC
 CGGGATCATCTAACGGTAATGTTACCATGGAGAAACAGGGCTTATGTATCTATTTTCAGAACAGTCGGA
 CAAATCGACCATCATCTGTCTCCTTGCCCCACGGATCAGTCAGGAGGAGAAGACAGCCCCAGGTCCTTC
 TCTTCTCTGACCTGGAATCAGGGAATGAAAGCGAGTGGGCCAGAGACTACACTGCTACCACAGCCAGCC
 TTTCCACGGTGACCTCAAGACCACGAGACCCTCTCGGAATTTTACCAGGATTTTTCAGGTTACAAGCG
 TAGCCGCTTAGAAGGCATCTACAGTTCTGCAAGGGAGATGTAGTCCAAGCCATTGAACAGATCTTAAAT
 GGGAAAGAACATAAGCCAGACTGCAGGGACCTAGCACATGCAGACTTGGAAAATGCAGCCTTTCAGAGGG
 CTTCAGATTTTAGTCTTGCTGGCATTGGCTTTGGGACTTAAATAATAAATCAGCTCTCTCTCTTGA
 AGCTGCTGCTGCTTACGGAGGAGATCATCTCTCTACAGTTTCAATCCTAGGCTAGCTTTCAGCCCA
 CTGCGCCTGGCATATTCTCTCCAGGAAGAGCACTGTCTGGTTTTATGTGCTTACCTAACGCCTGGAC
 TCGTTCCAGCATTGCCTTTTCGGCCAACCTTTGGATTATGCATTTCCAGGGATGATTAGGGAGCCGCCCA
 CCTTCTAGCAAACATTTAGTAAGTGGTGGTAGACTGTATTTCCAGGCCAATCAGGAGCACCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213863 representing NM_001107945
 Red=Cloning site Green=Tags(s)

MEQFRRDRSGGCRPHLGPRAVAPASAARSVSSGIPVSATFLRPPGLFLRSTASAGRAGCVPGPGLDRA
 LGAVGCGYPRTPKCARCRNHGVVSALKGHKRFCRWRDCACAKCTLIAERQRVMAAQVALRRQQAQEESEA
 RGLHRLLYQGPSGPGAPASGGSGRTE SPQVLS SPMTVAALGAGASRHPGSRVPAFEVQQDF AERKQEP
 KQSNCECQSRHEEPVSNTHRSPGSSNGNVTMEKQGFMSI SEQSDKSTIILSPCPTDQSGGEDSPRSF
 SSSDLESGNESEWARDYTATTASLSTVTSRPRDPLGILTRIFPGYKRSRLEGILQFCKGDVVQAI EQILN
 GKEHKPDCRDLAHADLENAAFQRASDFSLAGIFGTLNKNKSALSPLEAASAYGGDSSLYSFNPLAFSP
 LRLAYSSPGRALSGFMSPYLTPGLVPALPFRPTLDYAFPGMIREPPHLP SKHLVTGGRLYFRPNQEHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001107945

ORF Size: 1464 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_001107945.1](#), [NP_001101415.1](#)

RefSeq Size: 4030 bp

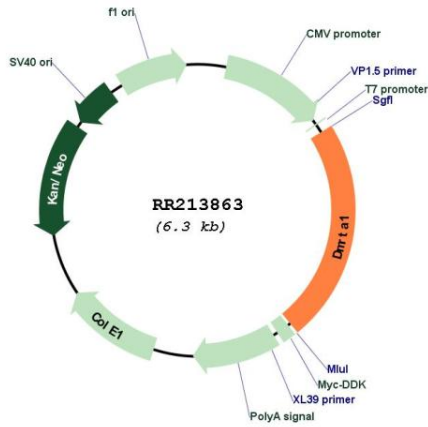
RefSeq ORF: 1467 bp

Locus ID: 313352

Cytogenetics: 5q32

MW: 52.3 kDa

Product images:



Circular map for RR213863