

Product datasheet for MR221732

Dmrtc2 (NM_027732) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmrtc2 (NM_027732) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dmrtc2
Synonyms:	4933432E21Rik; Dmrt7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221732 representing NM_027732 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCAGTGAAACGGCTGCTCTCCACCACTGTTCTGCTGACTCTTCCCAGCCGACGAGGCCAGAG
TGCCCCAGAGTACAGAGCTTATCCAGGAGACCAGTCAGTCGCTCTCAAACCTGTGCCCGCTGTCGCAA
CCATGGGGTACAGCCCATCTCAAGGGACACAAGCGCCTCTGCCTCTTTCAGGCTGCGAGTGTCACAAA
TGTGTCTCATCTGGAACGTCGGAGGGTCATGGCTGCCAAGTGGCCTTGCGCAGGCAGCAGGAGGCAC
AGCTGAAAAGGCACCTGGCTCAGGGACTGATGAAAGGGCAACCCCTCTGAAAGTCCCCCTCCGTGTCAA
GAAGGGAGCCATTCGGCCAGGGATCCCTTCTGGAAAAGAGAACATAGCACCCAGCCTCAGAGTCCCCAT
GGAGCAGTCCCCTGGTACTGACACCCCTGGGAAGGAGAACTATGGGCCACTGTGCTCAGCCGCCCC
CGGAAGCCTTGCCTTTGCCCTGGACTCCAGTGCCTCCTGGGCCTTGGGGCCTGGACACTGGCTGCCCC
AGGCCTCTCAATGCCACCTCCAGTGGTATGCCGCTTGCTGTGCCAAGAACCTGCTGTCCCTCTACATCT
TTTCTGGCTTTGACCCTGGCACCTCTCTCCGGCTGCCACTCATGGGACCCTCCCGACCTGCCAGGAT
CTCGCTCAGTACTGACGGCTCCACTTTCTGGGGAGCCCAAGGACCCCTAACCTGCCTCACACATGTT
AACTCTGATACTCCAGTCTGTGGCACCCAGACTCTCTTCTGCTACAGCCACAGGCCCTGGAGCCTCC
TGCTGGCCTGGACATCTGGCCCTCGGAGCGGCAGCTGCAGCGGAGGCAGCTGAGGCCCTGTAGGTC
TGAAAGACTCATCCAGGCTCCCGCCTGACCCATCTGTCCCCCTAACCTGCCTGGATCTCTCTGCT
CCACCCCTGTGGCCACAGCTCCTCCTGGGGGAAGAGGATTCCAGCCTGTTGGCCACCTCTCCGACCC
AGTCCAGTTCTCTGTCTCTCTGCACATTGGCGTCTGGGATCTATCTCCCTCCTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221732 representing NM_027732
Red=Cloning site Green=Tags(s)

MDPSETAALHHCADSSPADEARVPQSTELIPRRPVSRPSTCARCRNHGVT AHLKGHKRLCLFQACECHK
 CVLILERRRVMAAQVALRRQEAQLKRHLAQGLMKGATPLKAPLRVKKGAIRPGIPSGKENIAPQPQSPH
 GAVPLVLTPPGKENYGPLLLSRPPEALPLPWTPVPPGWPWPGHWLPPGLSMPPPVCRLLCQEPVPLHP
 FPGFDPGTSRLRPLTHGTLPTCPGSRSVLTAPLSGEPQGGPPNLPHTCSTLILQSCGTPDLLLLQPQAPGAS
 CLAWTSGPSEQLQREAAEALVGLKDSSQAPRLTPSVPPNPAWISLLHPCGPPAPPGGRGFPVGPPLRP
 SPGSSVSLHIGRLGISILLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9077_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_027732

ORF Size: 1113 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_027732.2](#), [NP_082008.1](#)

RefSeq Size: 1619 bp

RefSeq ORF: 1113 bp

Locus ID: 71241

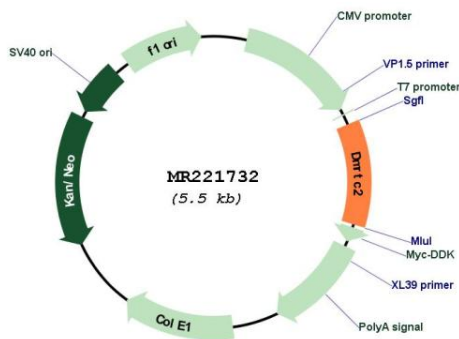
UniProt ID: [Q8CGW9](#)

Cytogenetics: 7 A3

MW: 39.1 kDa

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

Product images:



Circular map for MR221732