

## Product datasheet for **MR214611**

### **Dmrtclcl (NM\_001142691) Mouse Tagged ORF Clone**

#### Product data:

|                                  |                                 |
|----------------------------------|---------------------------------|
| <b>Product Type:</b>             | Expression Plasmids             |
| <b>Tag:</b>                      | Myc-DDK                         |
| <b>Symbol:</b>                   | Dmrtclcl                        |
| <b>Synonyms:</b>                 | 4933424F23Rik; Dmrt8.3; Dmrtclc |
| <b>Mammalian Cell Selection:</b> | Neomycin                        |
| <b>Vector:</b>                   | pCMV6-Entry (PS100001)          |
| <b>E. coli Selection:</b>        | Kanamycin (25 ug/mL)            |

**ORF Nucleotide Sequence:** >MR214611 representing NM\_001142691  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGCCTAAGAACCATGGGACCAAAAGACAAAGCAGCTGTTCTGCCGGCCCTCCACCTCGGAATGTA  
ACATGGGGAACAAGACTGGAGCAGCAGCACCTGTAATGGAACCTATCCTCAGAGGACGTGCAATCACCC  
TGGCAGAGGCCACAGTTGTGGCACCCGGACCCAAGTCAGGGACCACGGCGAGGCCCTGCTGGCTGTGGT  
TCTGAGCAAAAGGGGTATAGTGCACGAGGAAAGAGACGCCAGATTCGACTACCAAGAACGACTCTCCCC  
GCAAAACCCTTCGATCAGGCCAAGAAGACCCCTACCAAGGAAGAGGTCGCCCTGCAAAAGGAGAACCCTGT  
GTCCCAGCCTGAAGACCTGCCTCAAGCAAGCCCCAGGAGGAGAGCCCCACGGGTCTCAAGTGTATTGC  
TGGCCCCAGCACTTTCACCTCTGCCTTACATGTCAGTGCCCCAGAGCAGCAGTTGGTGGCTCCTCCTT  
CCACGGAGATTCACGGGGCTTTGTGAGTCCAACCCATGCTCAAGTATGGTCTCCTGCCACGTACCTC  
CACCGATCACCACTCACTGGAGTCACAGGGCTCCGGTGCCTCTGACCAGGCCTCGGTTCTGCCTCC  
TTAGAGTGTCAAGAAATACTGGAGGCTGCTGAGGCCCTGATGACTCTGAAGAACTCTTCTTGACCTGGC  
ACCAGACCCACAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:**

>MR214611 representing NM\_001142691

Red=Cloning site Green=Tags(s)

MSLRRTMGPKDKAAVSCRPTSECNMGNKTGAAAPVMEPIILGRANHPGRGHSCGTRTQVRDHGEALLAVG  
SEQKGYSARGKRRQIRLPRTTLPRKPFDDQAKKTPKGRGRPAKENPVSQPEDLPQASPEESPHGSQVYC  
WPPALSPLPYMSVPPEQQLVAPPSTEIHGAFAESNPCSSMVLLPRTSTDHHPLESQSGSGASQASVPAS  
LECQEILEAAEALMTLNSSWTWHQTHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

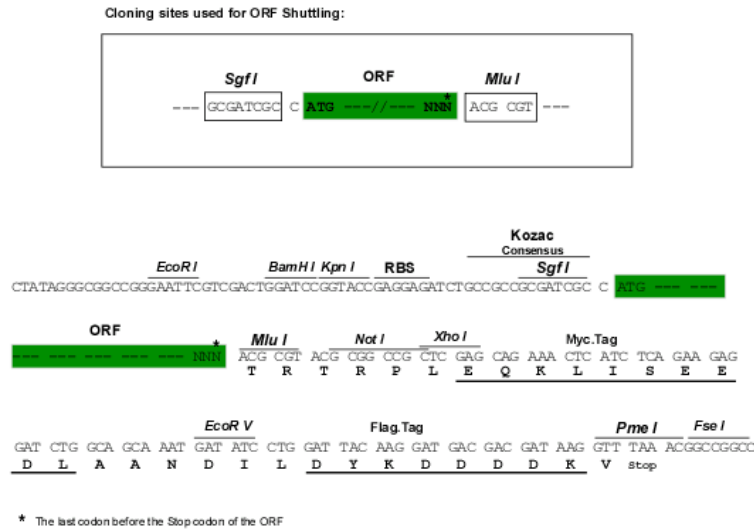
**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9078\\_f05.zip](https://cdn.origene.com/chromatograms/mm9078_f05.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:**

NM\_001142691

**ORF Size:**

714 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001142691.2](#)

**RefSeq Size:** 1611 bp

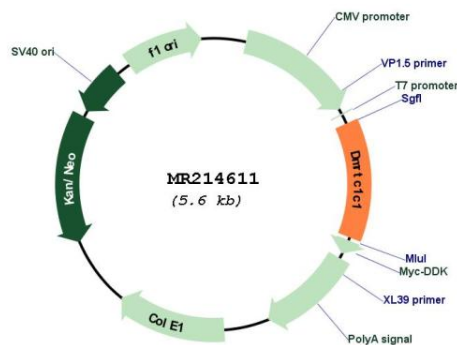
**RefSeq ORF:** 717 bp

**Locus ID:** 71083

**Cytogenetics:** X D

**MW:** 25.7 kDa

**Product images:**



Circular map for MR214611