

## Product datasheet for **MR218823**

### **Dmwd (NM\_010058) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dmwd (NM_010058) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dmwd
Synonyms:	Dm9; DMR-N9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218823 representing NM\_010058, codon optimized.  
 Due to the complexity of NM\_010058, the ORF clone is codon optimized for mammalian Expression.  
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCCGCCGGGGCGCCGAGGGAGGTCCAGGGCCAAGCGCAGCAATGGGCGACTGCGCCGAGATCAAATCTCAGTTTAGGACCAGGGAGGGCTTTTACAATGCTGCCGGGAGATGCCACTAGGCGGTCCGGACCCACAGTGCCAGACCCAGCTCCACCACAGCTACACAGCCACCACCTGGCCCCGCGCCGAGTGGCCCCGGAGCAGCCGGCCCTGCCTCCAGCCCTCCTCCCGTGGTCCCGGACCCGGGCCTGCCTCCCGCGGTGCCTTAGCCTGTGCGCCTCGGGGATCCCGACGGAGCCGAGAGCCACCTCCACTCCATCTGGGCTTGGGCGGTGGAGACAGGTGTGCTTCAACTGGGGAGAGCTCTACTTCTACCCTGGATGCTGTCGACGGCAGTCAACGAAGCATTGACCTCAACAACTATCGACAAAAGGATTTACAAGGGGACCCAGCCACTGCCACGACTTTAATCAGTTCACAGCAGCAACTGAGACAATCAGTCTGTTGGTCCGATTAGTGTGGCCAGTCCAGTATTTGGACCTGATTAAGAAAGATACAAGTAACTGTTCAACGAAGAAAGGCTCATCGACAAAATAAAGTGACTTACCTAAGTGGCTGCCTGAGAGCGAAAGCCTTCTTGGCGTCCCACGCTAGCGGCCGAGGGGTTCCCGTGTACGCCGTAAGTCCAAGCCCCAAGAAACCCACTTGCGAAGTGGGCCGTGGCGAAGGGCCCTCAACGAGTTTGCCTTTTCTCCCGACGGGAGACACCTGGCTTGTGTTTCCAGGACGGGTGCCTGCGAGTATTCACCTTTGATTCCATGCTTCTGAGGGGACTGATGAAGTCATATTTGGGGTCTGCTGTGTGTATGTTGGTCCCCTGATGGCAGGTATGTCGTGACGGGGGGGAGGACGACCTCGTACCGTTTGGTCCTTACAGAAGGCCGAGTGGTAGCCCGGGGCATGGCCACAAGTCTTGGGTGAATGCCGTGGCGTTGATCCATACACAACCCGCGCTGAAGAGGCCGCTCTGCATCCGCTGACGGAGATCCATCTGGAGAGGAGGAAGAGCCCAGGTTACATCTTCTGACTGGTGCCTCAGTGGCCACTGCCAAAAGCTGGGTCCATTACCACAGATTTGGAAGTCCCGCCAAAGACTCAATTCTGCCTTTGGACCTCACGGAGGACGCTCTGAGCCACACCCATCCCTGGCCCGGACCAGAACCCTCCCTGGTACACCAGCGCTACACCTCCTGCAAGTGAAGCTCCCCGCGAGGAGACAGGCGCTGGGCCCTGCCGCGCAGCCTCTCAGGAAGCAATTCTGCCCCACCCCCTGGAGGCGGAAAGCCGGAGGACCCAGCGCCTCCATGGAGCCAGGTATTCATTACGATCGGCCGTTCCGCCACCCTTACACTGCAGGAGCGACGAGACAGAGGCGCTGAGAAAAGACACAAGCGGTATCACTCTCTGGGAAATAAAGCAGAGGGGGTCCAGGCGGAATAGTTCTAATGATAAGCTGAGCGGCCCTGCCCCCGATCCCGCTGGATCCCGCAAGGTCTTGGTACAGCGCTCTGCCCTCGGATCCATGAAGTGCCTTCTGGAACCACTCGTTTGAAGAAGATCGCTCAGGAAAGACTGACCGTTCTCCTGTTTCTCGAGGATTGCATATCACAGCGTGCCAGGAGGATTGATTTGCACATGGCTAGACCCGAAAAGCCTTTACCGATGAAGAACAGAAGCCCAGGCTGGTCAGGCCTCATGGCCACGCTCCCGTCTAAAAGCGTAGTAGAGGAATCAGTAGCCAACAGGAAGTCCCCTTCCGGTACCGTGGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR218823 representing NM\_010058  
Red=Cloning site Green=Tags(s)

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MAAGGAEGGPGPSAAMGDCAEIKSQFRTREGFYKLLPGDATRRSGPTSAQTPAPPQPTQPPPGPAAASGP
GAAGPASSPPAGPGPALPAVRLSLVRLGDPDGAGEPPSTPSGLGAGGDRVCFNLGREL YFYGCCRS
GSQRSIDLNKPIDKRIYKGTQPTCHDFNQFTAATETISLLVGFSAQVQYLDLIKDTSKLFNEERLIDK
TKVITYLKWLPESESLFLASHASGHL YLYNVSHPCTSTPPQYSLKQGEF AVYAAKSKAPRNPLAKWAVG
EGPLNEFAFSPDGRHLACVSQDGLRVFHFDSMLLRGLMKSYFGLLCVCWSPDGRYVVTGGEDDLVTW
SFTEGRVVARGHGHSWYNAVAFDPYTTTRAEEAASASADGDPSEEEEEPEVTSSTDGAPVSPLPKAGSIT
YRFGSAGQDTQFCLWDLTEDVLSHPSLARTRTLPGPATPPASGSSRAGETGAGPLPRSLSRNSLPH
PAGGGKAGGPSASMEPGIPFSIGRFATLTLQERRDRGAEKEHKRYHSLGNI SRGGSGNNSNDKLSGPAP
RSRLDPAKVLGTALCPRIHEVPLLEPLVCKKIAQERLTVLLFLEDCIITACQEGLICTWARPGKAFDTEE
TEAQAGQASWPRSPSKSVVEGISSQPGSSPSGTVV
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010058

**ORF Size:** 1995 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\\_010058.2](#), [NP\\_034188.2](#)

**RefSeq Size:** 2520 bp

**RefSeq ORF:** 1998 bp

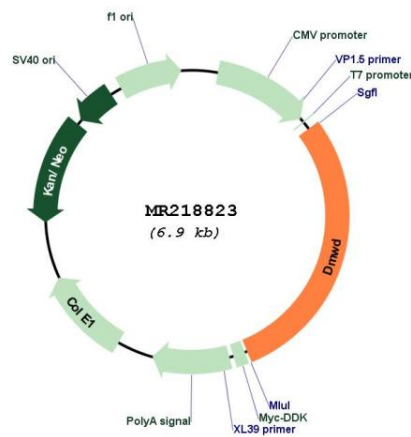
**Locus ID:** 13401

**UniProt ID:** [Q08274](#)

**Cytogenetics:** 7 9.46 cM

**MW:** 69.8 kDa

**Product images:**



Circular map for MR218823