

Product datasheet for **MG204814**

Dmwd (BC031193) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmwd (BC031193) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dmwd
Synonyms:	DMR-N9, MGC37679, 59
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204814 representing BC031193 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCTGCGTGGGCTCATGAAGAGCTACTTTGGGGTCTGCTGTGTGTGCTGGAGCCCTGATGGCC
GCTACGTGGTGACAGGAGGGGAAGATGACTTAGTCACTGTGTGGTCCTTCACGGAGGGTCGTGTGGTGCC
TCGAGGCCATGGCCACAAGTCTGGGTCAACGCTGTAGCCTTTGATCCCTACACCACTCGCGCAGAGGAG
GCGGCGTCAGCCAGTGTGATGGAGATCCAGTGGTGAAGAGGAGGAGCCTGAAGTACCAGCTCAGACA
CAGGAGCCCCAGTGTCCCACTGCCAAGGCTGGCTCCATCACGTACCGCTTTGGCTCAGCTGGCCAGGA
CACACAGTTCTGCCTGTGGGACCTCACAGAAGATGTGCTCTCCCTCATCCGTCTCTGGCCCGTACCCGC
ACCTTCCGGGCACACCTGGTGCCACCCACCACTTCTGGTAGTTCTCGGGCCGAGAGACAGGTGCAG
GCCCCCTGCCCGCTCCCTGTCTCGTTCCAACAGTCTCCACACCCAGCTGGTGGTGGCAAGGCTGGTGG
GCCTAGTGCATCGATGGAGCCTGGCATACCATTCAGCATTGGCCGCTTTGCCCACTGACCTGCAGGAG
CGGCGGGACCGGGGAGCTGAGAAGGAACACAAACGCTACCATAGCCTGGGAAACATCAGCCGCGTGGCA
GTGGGGCAATAGCAGCAATGACAAGCTCAGTGGTCTGCCCCCGAAGCCGATTGGACCCAGCTAAGGT
GCTGGGCACGGCACTGTGCCCTCGGATCCATGAGGTGCCACTGCTGGAGCCTCTCGTGTGCAAGAAGATT
GCTCAGGAACGCTGACCGTGTACTGTTCTGGAGGATTGTATCATCACTGCCTGCCAAGAGGGCCTCA
TCTGCACCTGGGCCCGGCCAGGCAAGGCGGCATCTCTCCCAACCAGGAGCTCCCCAGTGGCACTGT
GGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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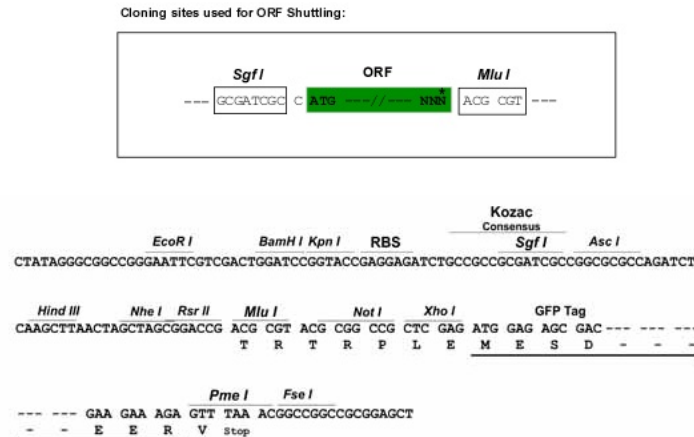
Protein Sequence: >MG204814 representing BC031193
 Red=Cloning site Green=Tags(s)

MLLRGLMKSYPFGLLCVCWSPDGRYVVTGGEDDLVTWVSFTEGRVVARGHGHKSWVNAVAFDPYTTRAE
 AASASADGDPGSEEEPEVTSSDTGAPVSPLPKAGSITYRFGSAGQDTQFCLWDLTEDVLSHPSLARTR
 TLPGTGATPPASGSSRAGETGAGPLPRSLSRNSLPHPAGGGKAGGPSASMEPGIPFSIGRFATLTLQE
 RRDRGAKEHKRYHSLGNISRGSGGNSNDKLGPAPRSRLDPAKVLGTALCPRIHEVPLLEPLVCKKI
 AQERLTVLLFLEDCIITACQEGLICTWARP GKAGISSQPGSSPSGTVV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC031193

ORF Size: 984 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: [BC031193.1](#)

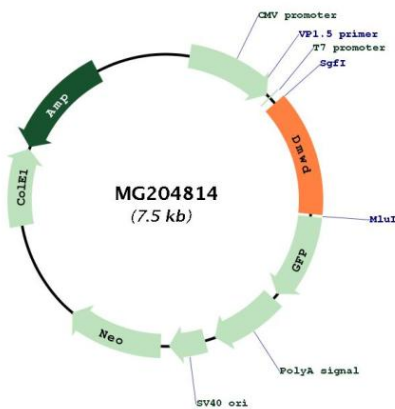
RefSeq Size: 1629 bp

RefSeq ORF: 986 bp

Locus ID: 13401

Cytogenetics: 7 9.46 cM

Product images:



Circular map for MG204814