

Product datasheet for **MG209387**

Dmwd (BC089027) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmwd (BC089027) 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)



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ORF Nucleotide Sequence:

>MG209387 representing BC089027
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCCAGTCTAGTTGAACTGGTGAGCTCCGGTTCACTGAGAGACCCTGTGTCAAATGTAAGATGC
 AAAGCCAGGGAGAGAGATGCCCCGATGTTGACCTCTGACCTCTACATCTCTACACAACACACAACAACCAC
 GCAGGCGTATACTATGTGTACATACAGGAAAAGATGACGGAATCCTAAATTTGGGGATTTTGCATCC
 TTGGGTCTGGGAGGTCTTAGACTATTGCTCTACTGGAGTTGCTTCCTCTTAGCGGTTTCCCTGACCTCA
 GCTCCTCTTCTCTCTCTGCTCTAACCAGTTAACTCGTCTCCTCCCGCGTTCAAGTCCATCGATCT
 CAACAAGCCCATCGACAAGCGGATCTACAAGGGGACCCAGCCACCTGCCACGACTTCAACCAGTTCACA
 GCTGCCACAGAGACCATTTCCTGCTGGTGGGCTTCTCTGCCGGCCAGGTGCAGTATCTGGACCTCATCA
 AGAAAGACACCAGCAAGCTATTCAATGAAGAGCGGCTGATTGACAAGACCAAGGTGACATATTTGAAGTG
 GCTGCCTGAGTCAGAGAGTCTGTTCTTCTCTCAGCCAGTGGCCACCTGTACCTCTACAACGTCAGT
 CACCCCTGCACCTCCACCCACCCACAGTATAGTCTGCTGAAACAGGGTGAGGGCTTTGCTGTCTATGCAG
 CCAAAAGCAAGGCACCCCGCAATCCACTAGCCAAGTGGGCAAGTGGGTGAGGGGCCCTCAATGAGTTTGC
 ATTCTACCTGATGGCCGACCTTAGCCTGTGTGAGCCAGGATGGCTGCCTGCGTGTCTTCCACTTTGAC
 AGCATGCTTCTGCGTGGGCTCATGAAGAGCTACTTTGGGGTCTGCTGTGTGTGTGTGTGGAGCCCTGATG
 GCCGCTACGTGGTGACAGGAGGGGAAGATGACTTAGTCACTGTGTGGTCTTACGGAGGGTCTGTGGT
 GGCTCGAGGCCATGGCCACAAGTCTGGGTCAACGCTGTAGCCTTTGATCCCTACACCACTCGCGCAGAG
 GAGGCGGCGTCAGCCAGTGTGATGGAGATCCCAGTGGTGAAGAGGAGGAGCCTGAAGTCAACAGCTCAG
 ACACAGGAGCCCCAGTGTCCCCACTGCCAAGGCTGGCTCCATCACGTACCGCTTTGGCTCAGTGGCCA
 GGACACACAGATTCTGCCTGTGGGACCTCACAGAAGATGTGCTCTCCCTCATCCGTCTCTGGCCCCGTACC
 CGCACCTTCCGGGCACACCTGGTGCCACCCACACAGCTTCTGGTAGTTCTCGGGCCGAGAGACAGGTG
 CAGGCCCCCTGCCCGCTCCCTGTCTCGTTCCAACAGTCTCCACACCCAGCTGGTGGTGCAAGGCTGG
 TGGGCTAGTGCATCGATGGAGCCTGGCATACCATTCAGCATTGGCCGCTTTGCCACACTGACCCTGCAG
 GAGCGGCGGGACCGGGAGCTGAGAAGGAACACAACGCTACCATAGCCTGGGAAACATCAGCCGCGGTG
 GCAGTGGGGCAATAGCAGCAATGACAAGCTCAGTGGTCTGCCCCCGAAGCCGATTGGACCCAGCTAA
 GGTGCTGGGCACGCACTGTGCCCTCGGATCCATGAGGTGCCACTGCTGGAGCCTCTCGTGTGCAAGAAG
 ATTGCTCAGGAACGCTGACCGTCTACTGTTCTGGAGGATTGTATCATCACTGCCTGCCAAGAGGGCC
 TCATCTGCACCTGGGCCCGGCCAGGCAAGGCGGCATCTCTCCAACAGGCAGCTCCCCAGTGGCAC
 TGTGGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209387 representing BC089027
 Red=Cloning site Green=Tags(s)

MAASLVELVSSGFTERPCVKCKMQSQGERCPMLTSDLYISTQHTTTTQAYTMCTYREKMTEILNLGIFAS
 LGLGGLRLLSYWSCFLLAVSPDLSSSFLSCSNRLTRLLPRFKSIDLNKPIDKRIYKGTQPTCHDFNQFT
 AATETISLLVGFSAQVQYLDLIKDDTSKLFNEERLIDTKVITYLKWLPESLSFLASHSGHLYLYNVS
 HPCTSTPPQYSLLKQGEFVYAAKSKAPRNPLAKWAVGEGPLNEFAFSPDGRHLACVSQDGCLRVFHF
 SMLLRGLMKSYFGLLCVCWSPDGRYVVTGGEDDLVTVVSFTEGRVVARGHGHKSWVNAVAFDPYTTRAE
 EAASASADGDPSEEEEEPEVTSSDTGAPVSPLPKAGSITYRFGSAGQDTQFCLWDLTEDVLSHPHSLART
 RTLPPTGATPPASGSSRAGETGAGPLPRSLSRNSLPHPAGGGKAGGPSASMEPGIPFSIGRFATLTLQ
 ERRDRGAKEHKRYHSLGNISRGSGGNSSNDKLSGPAPRSRLDPAKVLGTALCPRIHEVPLLEPLVCKK
 IAQERLTVLLFLEDCIITACQELICTWARPGKAGISSQPGSSPSGTVV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC089027

ORF Size: 1827 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: [BC089027.1](#)

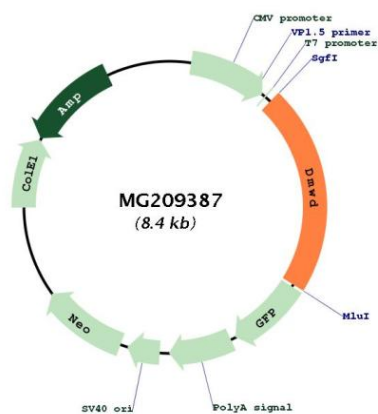
RefSeq Size: 2700 bp

RefSeq ORF: 1829 bp

Locus ID: 13401

Cytogenetics: 7 9.46 cM

Product images:



Circular map for MG209387