

## Product datasheet for **MG202642**

### Prdm9 (BC049903) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prdm9 (BC049903) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prdm9
Synonyms:	BC012016; Dsbc1; G1-419-29; Meissetz; PRDM9-B; Rcr1; repro7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202642 representing BC049903 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTACAGGCTGCGAGAGAGAAAGGGCCTTGCCTATGAGGAGGTCAGCGAGCCTCAGGATGATGACTATC  
TCTATTGTGAGAAGTGCCAGAATTTCTTCATCGACAGTTGTCCCAACCATGGGCCTCCTTTATTTGTA  
AGACAGTATGGTGGACAGGGGCATCCCAACCACTCAGTCCTCAGTCTGCCCCCTGGGCTAAGAATTAGT  
CCATCGGGCATCCCTGAAGCTGGACTTGGAGTATGGAATGAAGCATCTGATCTACCAGTCGGTCTGCACT  
TTGGCCCCATGAGGGTCAGATCACAGAGGATGAAGAGGCAGCCAACAGTGGTTACTCCTGGCTGATTAC  
CAAGGGAAGAACTGCTATGAGTATGTGGATGGACAGGACGAGTCCCAAGCCAACCTGGATGAGGTATGTG  
AACTGTGCCCGGGATGATGAAGAGCAGAACCTGGTAGCCTTTCAATATCACAGGAAAATCTTCTATCGAA  
CCTGCCGGTTATCAGACCAGGTTGTGAGCTTCTGGTCTGGTATGGGGATGAGTACGGCCAGGAACTGGG  
CATTAAGTGGGAAGCAAGATGAAGAAAGGATTCACAGCAGGAAGAGGTTGGGCACTATTATGATTCCTTA  
AAAAAGAAAGAGAAGAGGAATTCTCCTTGAGAATTTTCATTTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202642 representing BC049903  
 Red=Cloning site Green=Tags(s)

MYRLRERKGLAYEEVSEPQDDDYLYCEKCQNFFIDSCPNHGPPFLVKDSMVDRGHPNHSVLSLPPGLRIS  
 PSGIPEAGLGVWNEASDLPVGLHFGPYEGQITDEEEAANSYGYSWLITKGRNCYEYVDGQDESQANWMRYV  
 NCARDDEEQNLVAFQYHRKIFYRTRCRVIRPGCELLVWYGDEYQELGIKWGSKMKKGFTAGRGGHYDLSL  
 KKKKEKREFSLRIFIF

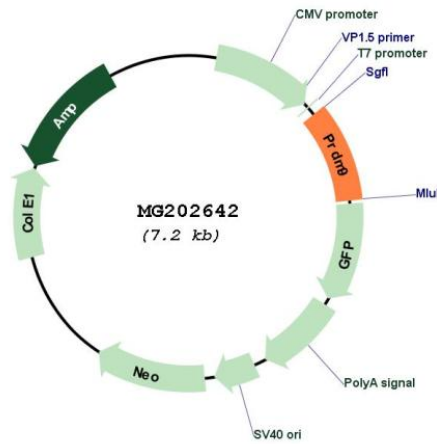
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC049903

**ORF Size:** 677 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC049903</a> , <a href="#">AAH49903</a>
<b>RefSeq Size:</b>	1450 bp
<b>RefSeq ORF:</b>	677 bp
<b>Locus ID:</b>	213389
<b>Cytogenetics:</b>	17 A2