

Product datasheet for **RR215596**

Prdm1 (NM_001107639) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prdm1 (NM_001107639) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prdm1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR215596 representing NM_001107639
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGGATCTTCTCTTGAAAAGCGTGTGGGTACGACCTGGCTGCCCCCAAGTGAACCTCCGGTTCGG
 TGAAGTTTCAAGGATTGGCAGAGACGTCTGGGATCATGAAAATGGACATGGAGGACGCGGATATGACTCT
 GTGGACAGAGGCCGAGTTTGAAGAGAAGTGTACGTACATAGTGAACGACCACCCCTGGGATTCCAGCGCC
 GACGGGGTACTTCTGTTCAAGCCGAGGCATCCTTACCAAGAACCTGCTCTTCAAGTATGCCGCCAACA
 ACAGCAAAGAGGTTATTGGTGTGGTGAGTAAGGAATACATCCCAAAGGGAACGAGGTTCCGACCCCTGAT
 CGGCGAAGTCTACACCAACGACACGGTCCCAAGAATGCCAACAGGAAATATTTTTGGCGGATCTATTCC
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 GATGGCTTTCCGAAAAATGGGAGCCCGGACATGCCCTTACCCCTCGGGTGTGTATCCCATCCGGGCAC
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 CCCCCTCCGCTTCCACAACCTCAAGTCCCTTGCAAGCAGTAGCCAGAGCAGAGCCTCAAGAGCGCC
 AGCCCCACGGCAGCCCGGGAACACGGTGTACCCGTGGTACCAGGCCCCCAGAGCACCAGGACTCCT
 ACTCCTACTTGAATGTTTCTATGTTCTGAGGGCTGGGCTCCTACCCCTGGCTATGCCCTGCCCGCA
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 GAGTTCCTGCCTACCGATGGAGCCCGGAGGCTGCTCCACCGGAGCACCACAGAGAGGTTGTGCCCCG
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 GGTCTCCAACGGCGGAACTGCGGCCACGTGGAACACGTGTTACAACCCAAAGTACCTCATCGGTGAT
 GGCAGCCCCCAGCACTGACGGAGCCATGAATCTCATTAAAGAACAAAAGAAACATGACTGGTTACAAGACC
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 CAACAAGGGCTTTACTCAGCTCGCCACCTGCAGAAACACTACCTGGTACACACGGGAGAAAAGCCACAT
 GAATGCCAGGTCTGCCACAAGAGATTTAGTAGCACAAGCAATCTCAAGACACACCTTCGACTGCATTCTG
 GAGAAAAACCTTACCAGTGAAGGTGTGCCCTGCCAAGTTTACACAGTTCGTGCACCTGAAGCTGCACAA
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 CTCAAGGTCCACCTGAAGGGCAACTGCCCTGTGGTCCCAGCCCCGGGCTGCCCTTGAGGACCTGACCC
 GGATCAATGAAGAAATCGAGAGGTTGACCTTAGCGACAACGCTGACCGTCTTGAGGACATGGAGGACAG
 CGTCGATGTGACCTCCATGGTGGAGAAGGAGATTCTAGCCATAGTCAGGAAAGAGAAAAGAAACTGGT
 CTGAAAAATGTCTTTGAAAAAACCATGGGGAGCAGACTCCCCTCCTCAGGGTGCAGCCTCTACGATCAT
 CAGACCTGTCCCTCATGAAGTTCCTCACAGCAACTCACTACCTCTGGTGCCTGTAAGGTCAAACAAGA
 AACAGTTGAACCGATGGATCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215596 representing NM_001107639
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MLDLLLEKRVGTTLAAPKCNSGSVKFQGLAETSGIMKMDMEDADMTLWTEAEFEEKCTYIVNDHPWDSSA
 DGGTSVQAEASLPRNLLFKYAANNSKEVIGVVSKEYIPKGTRFGPLIGEVYNTDTPKNANRKYFWRIYS
 REEFHHFIDGFNEEKSNWMRYVNPASAREQNLAAQNGMNIYFYTIKPIPANQELLVWYCRDFAERLHY
 PYPGELTVMNLTQTESNPKQYSSEKNELYPKSVPKREYSVKEILKLDNSPSKRKDSYRSNISPYTSEKDM
 DGRFRKNGSPDMPFYPRVVYPIRAPLPEDFLKASLAYGMERTYITHSPLPSSTTPSPASSSPEQSLKSA
 SPHGSPGNTVSPVPGPPEHRDSYSLNVSYGSEGLGSYPGYAPAPHLPPAFIPSYNAHYPKFLLPPYGI
 SSNGLSTMNNINGINNFSLFPRLYPVYSNLLSGGNLPHPMLNPASLPSSLPTDGARRLLPPEHPREVLVP
 APHSASFSLTGAAASKDESSPPSGSPTAGTAATSEHVQPKATSSVMAAPSTDGAMNLIKNKRMTGYKT
 LPYPLKKQNGKIKYECNCAKTFGQLSNLKVHLRVHSGERPFCQTCNKGFTQLAHLQKHVLVHTGEKPH
 ECQVCHKRFSSTNLKTHLRLHSGEKPYQCKVCPAKFTQFVHLKLHKRLHTRDRPHKCAQCHKSYIHLCS
 LKVHLKGNCPVVPAPGLPLEDLTRINEEIERFDLSDNADRLMEDSVDVTSMVEKEILAIVRKEKEETG
 LKMSLQKTMGSRPSSGCSLYESSDLSLMLKPHNSLPLVPVKVKQETVEPMDP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001107639

ORF Size: 2472 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_001107639.2, NP_001101109.2

RefSeq Size: 5159 bp

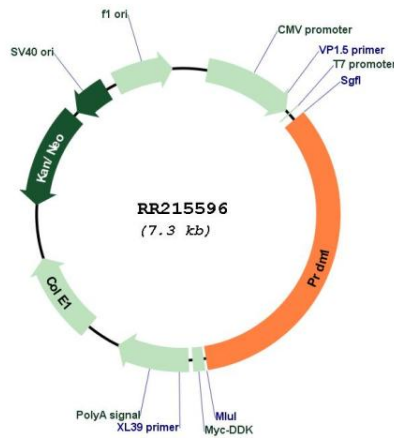
RefSeq ORF: 2475 bp

Locus ID: 309871

Cytogenetics: 20q13

MW: 91.9 kDa

Product images:



Circular map for RR215596