

## Product datasheet for **RC217363**

### PRDM1 (NM\_001198) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM1 (NM_001198) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRDM1
Synonyms:	BLIMP1; PRDI-BF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC217363 representing NM\_001198  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAAATGGACATGGAGGATGCGGATATGACTCTGTGGACAGAGGCTGAGTTTGAAGAGAAGTGTACAT  
 ACATTGTGAACGACCACCCTGGGATTCTGGTGCATGATGGCGGTAATTCGGTTCAGGCGGAGGCATCCTT  
 ACCAAGGAATCTGCTTTTCAAGTATGCCACCAACAGTGAAGAGGTTATTGGAGTGATGAGTAAAGAATAC  
 ATACCAAAGGGCACACGTTTTGGACCCCTAATAGGTGAAATCTACACCAATGACACAGTTCCTAAGAACG  
 CCAACAGGAAATATTTTTGGAGGATCTATTCCAGAGGGGAGCTTACCACCTTCATTGACGGCTTAAATGA  
 AGAGAAAAGCAACTGGATGCGCTATGTGAATCCAGCACACTCTCCCGGGAGCAAACCTGGCTGCGTGT  
 CAGAACGGGATGAACATCTACTTCTACACCATTAAGCCCATCCCTGCCAACCCAGGAATCTTGTGTGGT  
 ATTGTGCGGACTTTGCAGAAAGGCTTCACTACCCTTATCCCGGAGAGCTGACAATGATGAATCTCACACA  
 AACACAGAGCAGTCTAAGCAACCGAGCACTGAGAAAAATGAACCTGCCCCAAAGAAATGTCCAAAGAGA  
 GAGTACAGCGTGAAGAAATCCTAAAATTTGGACTCCAACCCTCCAAAGGAAAGGACCTCTACCGTTCTA  
 ACATTTACCCCTCACATCAGAAAAGGACCTCGATGACTTTAGAAGACGTTGGGAGCCCCGAAATGCCTT  
 CTACCCTCGGGTCGTTTACCCCATCCGGGCCCTCTGCCAGAAGACTTTTTGAAAGCTTCCCTGGCCTAC  
 GGGATCGAGAGACCCACGTACATCACTCGCTCCCCATTCATCTCCACCCTCAAGCCCTCTGCAA  
 GAAGCAGCCCCGACCAAGCCTCAAGAGCTCCAGCCCTCACAGCAGCCCTGGGAATACGGTGTCCCTGT  
 GGGCCCCGGCTCTCAAGAGCACCAGGACTCCTACGCTTACTTGAACGCGTCTACGGCACGAAGGTTTG  
 GGCTCCTACCCTGGCTACGACCCCTGCCACCTCCCGCCAGCTTTCATCCCTCGTACAACGCTCACT  
 ACCCCAAGTTCCTTTGCCCCCTACGGCATGAATTGTAATGGCCTGAGCGCTGTGAGCAGCATGAATGG  
 CATCAACAACCTTTGGCCTCTCCCGAGGCTGTGCCCTGTCTACAGCAATCTCCTCGGTGGGGCAGCCTG  
 CCCCACCCATGTCAACCCCACTTCTCTCCCGAGCTCGCTGCCCTCAGATGGAGCCCGGAGGTTGCTCC  
 AGCCGGAGCATCCAGGGAGGTGCTTGTCCCGCGCCCCACAGTGCCTTCTCCTTACCAGGGCCCGCCG  
 CAGCATGAAGGACAAGGCTGTAGCCCCACAAGCGGTCTCCACGGCGGGAACAGCCGCCACGGCAGAA  
 CATGTGGTGCAGCCAAAGCTACCTCAGCAGCGATGGCAGCCCCAGCAGCGAAGCCATGAATCTCA  
 TAAAAACAAAAGAAACATGACCGGCTACAAGACCCTCCCTACCCGCTGAAGAAGCAGAACGGCAAGAT  
 CAAGTACGAATGCAACGTTTGCCCAAGACTTTCCGCCAGCTCTCAATCTGAAGGTCCACCTGAGAGTG  
 CACAGTGGAGAACGGCTTTCAAATGTGCAACTGCAACAAGGGCTTTACTCAGCTCGCCACCTGCAGA  
 AACACTACCTGGTACACAGGGAGAAAAGCCACATGAATGCCAGGTTCTGCCACAAGAGATTTAGCAGCAC  
 CAGCAATCTCAAGACCCACCTGCGACTCCATTCTGGAGAGAAACCATACCAATGCAAGGTGTGCCCTGCC  
 AAGTTCACCCAGTTTGTGCACCTGAAACTGCACAAGCGTCTGCACACCCGGGAGCGGCCCCACAAGTGT  
 CCCAGTGCACAAGAAGTACATCCATCTCTGTAGCCTCAAGGTTACCTGAAAGGAACTGCGCTGCGGC  
 CCCGGCGCTGGGCTGCCCTTGAAGATCTGACCCGAATCAATGAAGAAATCGAGAAGTTTGACATCAGT  
 GACAATGCTGACCGGCTCGAGGACGTGGAGGATGACATCAGTGTGATCTCTGTAGTGGAGAAGGAAATTC  
 TGGCCGTGGTCAAAAAGAGAAAAGAAACTGGCCTGAAAGTGTCTTTGCAAAGAAACATGGGGAAATGG  
 ACTCCTCCTCAGGGTGCAGCCTTTATGAGTCATCAGATCTACCCTCATGAAGTTGCCTCCAGCAAC  
 CCACTACCTCTGGTACCTGTAAGGTCAAACAAGAAACAGTTGAACCAATGGATCCT

**AGCGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC217363 representing NM\_001198  
Red=Cloning site Green=Tags(s)

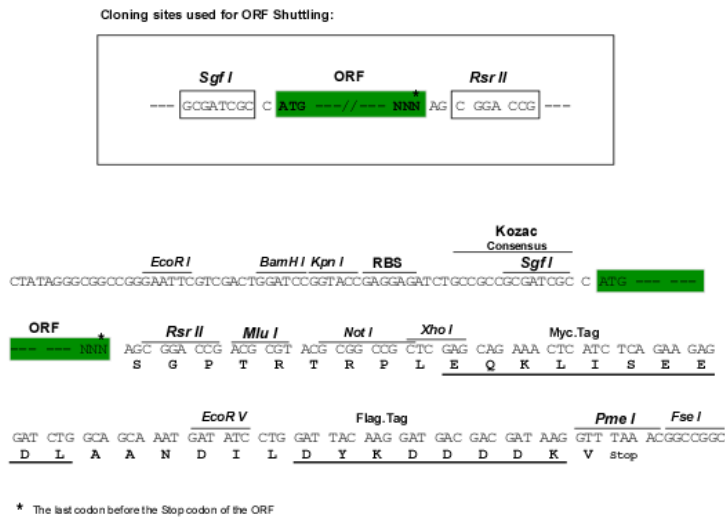
MKMDMEDADMTLWTEAEFEKCTYIVNDHPWDSGADGGTSVQAEASLPRNLLFKYATNSEEVIGVMSKEY  
IPKGTRFGPLIGEIYTNDVTPKNANRKYFWRIYSRGELHHFIDGFNEEKSNWMRYVNPAAHSPREQNLAAC  
QNGMNIYFYTIKPIPANQELLVWYCRDFAERLHYPYPGELTMMNLTQTQSSLKQPSTEKNELCPKNVPKR  
EYSVKEILKLDNSNPSKGDLYRSNISPLTSEKLDLDFRRRGSPMPFYPRVVYPIRAPLPEDFLKASLAY  
GIERPTYITRSPIPSSTTPSPSARSSPDQSLKSSSPHSSPGNTVSPVPGSQEHRDSYAYLNASYGTEGL  
GSYPGYAPLPHLPPAFIPSNAHYPKFLLPPYGMNCNGLSAVSSMNGINNFGLFPRLCPVYSNLLGGGSL  
PHPMLNPTSLPSSLPSDGARRLLQPEHPREVLVPAPHSASFSTGAAASMKDKACSPTSGSPTAGTAATAE  
HVVPKATSAAMAAPSSDEAMNLKKNRNMGTGYKTLPYPLKKQNGKIKYECNVCAKTFGQLSNLKVHLRV  
HSGERPFKQTCNKGFTQLAHLQKHLYVHTGKPEHCQVCHKRFSSSTNLKTHLRLHSGEKPYQCKVCPA  
KFTQFVHLKHLKRLHTRERPHKCSQCHKNYIHLCSLKVHLKGNCAAPAPGLPLEDLTRINEEIEKFDIS  
DNADRLDVEDDISVISVVEKEILAVVRKEKEETGLKVSLQRNMGNGLLSSGCSLYESSDLPLMKLPPSN  
PLPLVPVKVKQETVEPMDP

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6184\\_d04.zip](https://cdn.origene.com/chromatograms/mk6184_d04.zip)

**Restriction Sites:** Sgfl-RsrII

Cloning Scheme:



ACCN: NM\_001198

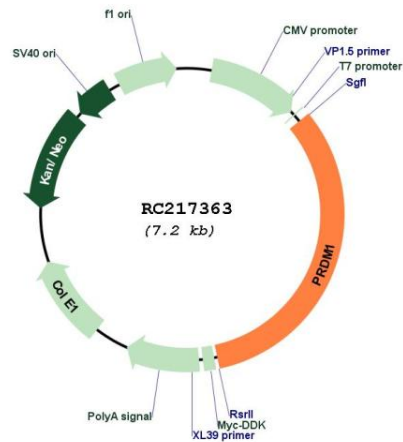
ORF Size: 2367 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

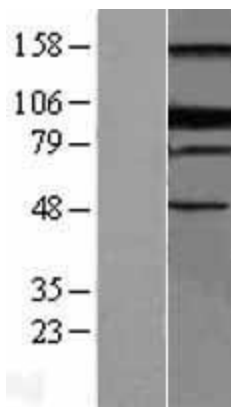
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<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="#">NM_001198.2</a> , <a href="#">NP_001189.1</a>
<b>RefSeq Size:</b>	5165 bp
<b>RefSeq ORF:</b>	2478 bp
<b>Locus ID:</b>	639
<b>UniProt ID:</b>	<a href="#">O75626</a>
<b>Cytogenetics:</b>	6q21
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	88.4 kDa
<b>Gene Summary:</b>	This gene encodes a protein that acts as a repressor of beta-interferon gene expression. The protein binds specifically to the PRDI (positive regulatory domain I element) of the beta-IFN gene promoter. Transcription of this gene increases upon virus induction. Two alternatively spliced transcript variants that encode different isoforms have been reported. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC217363



Western blot validation of overexpression lysate (Cat# [LY400479]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217363 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).