

Product datasheet for **MC221845**

Prdm1 (NM_007548) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prdm1 (NM_007548) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prdm1
Synonyms:	b2b1765Clo; Blimp-1; Blimp1; PRDI-BF1; ZNFPR1A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NM_007548.3
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTGGATCTTCTCTTGAAAAACGTGTGGGTACGACCTGGCTGCCCCCAAGTCTAGCTCCGGCTCCG
TGAAGTTTCAAGGACTGGCAGAGACTGGGATCATGAAAAATGGACATGGAGGACGCTGATATGACTTTGTG
GACAGAGGCCGAGTTTGAAGAGAAGTGTACATACATAGTGAACGACCACCCTGGGATTCGGCGCTGAC
GGGGTACTTCTGTTCAAGCCGAGGCATCCTTACCAAGGAACCTGCTTTTCAAGTATGCTGCCAACAAACA
GCAAAGAGGTTATTGGCGTGGTAAGTAAGGAGTACATACCGAAGGGAACACGCTTTGGACCCCTCATCGG
TGAAGTCTACACTAATGACACAGTTCCTCAAGAATGCCAACAGGAAGTATTTTTGGCGGATCTATTCCAGA
GAGGAGTCCACCACTTATTGATGGCTTAAATGAGGAGAAAAGCAACTGGATGCGCTACGTGAATCCAG
CTCACTCTGCCCGGAGCAAAACCTGGTGCCTGTGAGAACGGGATGAACATCTACTTCTACACTATTAA
GCCTATCCCTGCCAACAGGAACCTTCTGTGTGGTATTGTCGGGACTTTGCGGAGAGGCTCCACTACCT
TATCCTGGAGAGCTCACAGTGATAAATCTCACACAAACGGAAAGCAACCCAAAGCAATACAGTAGTGAGA
AAAATGAACTCTACCCAAAGAGTGTCCCAAGAGAGAGTACAGCGTGAAAGAAATTTAAAACTGGACTC
CAATCCCTCCAAAAGGAAGGACATCTACCGTTCCAACATTTACCCCTTCACTTTAGAAAAGGACATGGAT
GGCTTTTCGGAAAAATGGGAGCCCGACATGCCCTTCTACCTCGGGTGGTTTATCCTATCCGGGCACCTC
TGCCAGAAGACTTTTTGAAAGCGTCCCTGGCCTATGGGATGGAGAGACCCACCTACATAACTCACAGTCC
CCTTCCGTCTCCACAACCTCAAGTCCCCTGCGAGCAGCAGCCCGGAGCAGGCCTTAAGAGTCCAGC
CCCCACAGCAGCCCGGAAACACGGTGTACCCCTGGCGCCAGGCCTCCAGAACACCCGGGACTCCTACT
CCTACTGAATGTTTCTATGGTTCGAGGGCTGGGCTCCTACCTGGCTATGCACCTGCCCCCACT
CCCAACGCTTTTATTCCTTCTTACAATGCTCACTACCCCAAGTTCCTGTTGCCACCGTACGGCATTAGT
TCCAATGGCTTGAGCACCATGAACAACATCAATGGTATCAACAACCTTCAGCCTTCTCCCTAGGTTGTATC
CCGTCTACAGTAACCTCCTTAGTGGCAGCAGCCTGCCTCATCCCATGCTCAATCCAGCTTCCCTACCGAG
TTCCCTGCCTACCGATGGAGCCCGGAGGCTGCTTCCACCGGAGCACCCCAAGAGGTGCTTATCCAGCA
CCCCACAGTGCCTTCTCCCTTACCGGGCTGCAGCCAGCATGAAGGACGAGAGTAGTCCCCCAGCGGAT
CTCCAACGGCGGAACTGCAGCCACGTGAGAACACGTGGTACAACCCAAAGCTACCTCATCAGTATGTC
GGCCCCCAGCACTGACGGAGCCATGAATCTCATTAAAAACAACGAAACATGACTGGTTACAAGACTCTT
CCTTACCCTCTGAAGAAACAGAATGGCAAGATCAAGTATGAGTGAATGTCTGTGCCAAGACGTTCCGGT
AGCTCTCCAACCTGAAGGTCCACCTGAGAGTGCACAGTGGAGAACGGCCTTTCAAGTGCCAGACCTGCAA
CAAGGGTTTTACTCAGCTCGCCACCTGCAGAAACACTACTTGGTACACACAGGAGAGAAGCCACATGAG
TGCCAGGTCTGCCACAAGAGATTTAGCAGCACAAGCAATCTCAAGACCCACCTTCGATTGCATTCTGGAG
AAAAACCTTACCAATGTAAGGTGTGCCCTGCCAAGTTTACGCAATTTGTGCACCTGAAGTGCACAAGCG
ACTGCATACCCGGGAGCGGCCTCACAAGTGTGCCAGTGTACAAGAGCTACATCCATCTCTGCAGCCTC
AAGGTCCACCTGAAGGGCAACTGCCCTGCGGGCCAGCTGCTGGGCTGCCTTTGGAGGATCTGACCCGAA
TCAATGAAGAAATTGAGAGGTTTCGACATCAGCGACAATGCAGACCGTCTTGAGGACATGGAGGACAGTGT
CGATGTGACCTCCATGGTGGAGAAGGAGATTCTAGCTGTGGTTCAGAAAAGAGAAAGAAACCAAGTCTG
AAAGTGTCTTTGCAAAGAAACATGGGGAACGGCCTCCTCCTCAGGGTGCAGCCTCTATGAGTCAATCGG
ACCTGTCCCTCATGAAGTTGCCTCACAGCAACCCACTACCTCTGGTGCCTGTAAAGGTCAAACAAGAAAC
AGTTGAACCGATGGATCCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1384_c12.zip

Restriction Sites: SgfI-MluI

ACCN: NM_007548

Insert Size: 2472 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_007548.3 , NP_031574.2
RefSeq Size:	5143 bp
RefSeq ORF:	2472 bp
Locus ID:	12142
UniProt ID:	Q60636
Cytogenetics:	10 23.24 cM
Gene Summary:	Transcription factor that mediates a transcriptional program in various innate and adaptive immune tissue-resident lymphocyte T cell types such as tissue-resident memory T (Trm), natural killer (trNK) and natural killer T (NKT) cells and negatively regulates gene expression of proteins that promote the egress of tissue-resident T-cell populations from non-lymphoid organs (PubMed:27102484). Plays a role in the development, retention and long-term establishment of adaptive and innate tissue-resident lymphocyte T cell types in non-lymphoid organs, such as the skin and gut, but also in other nonbarrier tissues like liver and kidney, and therefore may provide immediate immunological protection against reactivating infections or viral reinfection (PubMed:27102484). Binds specifically to the PRDI element in the promoter of the beta-interferon gene (By similarity). Drives the maturation of B-lymphocytes into Ig secreting cells (By similarity). Associates with the transcriptional repressor ZNF683 to chromatin at gene promoter regions (PubMed:27102484).[UniProtKB/Swiss-Prot Function]