

Product datasheet for **MC219033**

Prdm14 (NM_001081209) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prdm14 (NM_001081209) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prdm14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC219033 representing NM_001081209
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCTTACCGCCTCTGGTGAGACCCAGTCCCAGGACAAGGCCAACTACCTGCCCCAGAGCAACCCTC
 ACCACCTGACTACCTACTACGCGCATGCCCCAGGCTACAGTCACTTTAGGAACCTCGCCACCACCGAGGA
 GGAGTTTCAACCTTGAAACTGGCAGCTGCAGTCTTGTAGTCCCAGGCGATGGCCCTCTTGATGCTTTT
 CGGATGACTGCTCCCTTGTGAACCCGGGTCTGGCTGTTGAGAGCGAGCCGCTCTACAATCTGCCCTGGT
 ACAAATTGTACCATGGAACCGAATTCCTCAATCACTCCCGAAGTACCACGATTTCTAGACAGCACTGA
 GCATAGGAGCAGCGTTCCAGCAACCAAAATTTGGTCTCGGCGGCGGGTGGCCAAATCAGTGGTCAG
 AGGTGGGAAGCTGAAAATTTACTTCTGCCATCCCCGTAATTGCTCCCTACTACCTGATGGAATTAAGT
 CGTCCCAGTCAATATCTGTCCCCAAACCTTGAATCAAGAGGGGAAGCTGCCGTTTTGCGGCTTCAACT
 CACAGAGGAGAACTGAGCTTCGTCTGTATGGAGCCATCGCTAGTCCGGAGCACCAACCGACTTACAG
 CATGCAATTTAGGCATCCTGGTCCCACAGAGAGTTCGGGTCTAATCATCTTCAAAAACCTGGACA
 AAGACTCCCTCCAGCTTCGGAAGGTCTCTGCCTCATGCAGACCTCATTTGGTGTGTGCCACACTTTGG
 CGTGTCTGCAGCGACTTCATTGCCAAAGGAGTGAGATTTGGACCCTTTGAGGTAGAGTGGTCAATGCC
 AGCGAAGTGAAGGCACACAGGGACAACCTCTCGGATGTGGGAAATTTTGAAGATGGTCACTGAGCCATT
 TTATCGACGGCAAAGTTCTGGGAACTGGATGTCTATGTCAACTGTGCTCGGTTCCCAAGGAGCAGAA
 CCTGCTGGCCGTGCAGCACCAAGGGCAGATATTTATGAGAGTTGTAGAGACATCCAGCGGAACCGAGAA
 CTGCTTGTGTGGTACGGAAATGGCTATGAGAAGTTCCTGGGCGTCCCATGAACCTCCGTGCTACTGAGC
 AAGGAGCCAGCAGCTGTCTGAGTCTCTGAAGAGTCTGCAGAAGTTACAGATGTGAACGCTGTGGAAA
 GGTGTTTTACCTACAAATACTACAGAGATAAGCACCTGAAGTACACGCCCTGTGTGACAAGGGGGACAGG
 AAGTTTTCCGTGTTCTCTGCAAAAGATCCTTTGAAAAGCGCGACCGCCTCCGGATCCATATTTCTCACG
 TCCATGAGAGGCACCGCCCTACCTGTGTTCAACCTGTGGGAAAAGTTTTTCTCAGTCTTCCAGCCTGAA
 CAAGCACATGAGAGTCCACTCTGGAGACAGGCCATACCAGTGCCTGTACTGTACAAAGAAGTTCACTGCC
 TCCAGCATACTCCGAACACACATCAGACAGCACTCAGGAGAGAAGCCCTTCAAGTGAAGCATTGTGGTA
 AAGCCTTTGCATCTCATGCTGCCACGACGCCACGTCCGGCGCTCACACAAGGACAATGGCCGTAGCTC
 CTGCGATATTTGTGGAAAGGCTTCTGGATCAAGAGGCTTTCTATGCCACATGAGGCTTCAAAAACC
 TGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1621_e10.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_001081209

Insert Size: 1686 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 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](#)

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_001081209.2](#), [NP_001074678.2](#)

RefSeq Size: 2593 bp

RefSeq ORF: 1686 bp

Locus ID: 383491

UniProt ID: [E9Q3T6](#)

Cytogenetics: 1 A3

Gene Summary: Transcription factor that has both positive and negative roles on transcription (By similarity). Plays a role in cellular pluripotency. Essential for germ cell development at 2 levels: the reacquisition of potential pluripotency, including SOX2 up-regulation, and successful epigenetic reprogramming, characterized by EHMT1 repression. Its association with CBFA2T2 is required for the functions in pluripotency and germ cell formation.[UniProtKB/Swiss-Prot Function]