

## Product datasheet for **RC214016**

### PRDM13 (NM\_021620) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM13 (NM_021620) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRDM13
Synonyms:	MU-MB-20.220; PFM10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC214016 representing NM\_021620  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCACGGAGCCGCCAGAGCGCCAGCCACCAGCGTGAGTGCCGACTGCTGCATCCCGGCCGGCTTGCGCC  
 TCGGACCGGTGCCTGGTACCTTCAAGCTGGGCAAGTACCTGTGACACCGCAGGGAGCCCGGCCAAGAA  
 AAAGGTGCGCATGGTGAAGGGGAGCTGGTGGACGAGTCGGGGGCTCCCTCTGGAGTGATAGGGTTA  
 ATCCGGGAGCCAGAACTCCCAGGAACAGACTCTGGAAGCTATTGCAGACTTACCCGGAGGACAGATCT  
 TCTACCGAGCATTGCGAGACGTCCAGCCAGGGGAGGAGCTGACAGTGTGGTATTCTAACTCCTTGGCTCA  
 GTGGTTCGACATCCCAACACAGCGACTCCGACTCAGCAGGAGAAAGGGGAGGAGCGCTACATCTGCTGG  
 TACTGCTGGAGGACGTTAGATACCCCAACAGCCTTAAGGCACACCTGCGTTTCCACTGCGTGTTCAGCG  
 GCGGTGGAGGCGGCCCTTCTGCACCACGAACACGCGGCTCGCCAAGGCGCCGTCAGCGGCTGATGG  
 CCTCGGTCTCTCCCAAAACCCCGCGCCGATTTCCGCGCGCCTTCCAGGCAGAACTTTGCGACCC  
 CACCCCTGGGCCCGCCACCAGTTCAGGCTGCGGTGCGCGGAGGGCATCAAGCGGAGGCCCTTCCCG  
 CGCCCTCGGCCACCTCGCCGACCCAGGCAAGTGGGGGAGCCCAAGAAGGGCAAGGAGCAGCTGGACCG  
 TGCCCTGGACATGAGCGGAGCCGCCGAGGACAAGGGCACTTCTCGGCATCGTGGGCGGCTCCTCGGCG  
 GGGGTGCGCAGCTGGCTTTCTACCCGGCGTGCCTCAGCTTTCAAGCCGCGGCCCTAGCGAGGGCGG  
 CGGCGGCCGCTCACGGCGACCCCTACCGGGAGGAGCAGCAGCAAGCAAGGAGCCGGCTCGCTTTGGG  
 CAGGCTGCTGGGCGGGGCGGGCGTGCGGGCGCCCGGGAGCGGGGAGAAGTCCGGCGGGGCGGCGCG  
 GGTCACCACCATCACACACGCGCACCCACCACCATCCCAAGTGCCTGCTCGCTGGGACCCCGCGC  
 CGCGCGCCGCTGGCTGCCCTGCTCTGGGGCCCTGCGCGGCTTCCCTCTGCTCTCCGTCCTCCCGGGA  
 AGAGGCGTCCGCTTCAAGCACGTGGAGCGCGCCCGCCCGCAGCCGCGCGCTGCCAGGAGCGCTTAT  
 GCGCAGCTGCCCTGCGCCGGGTTGCCCTCGAGCGCTGCGCGCTGCCGCCCTCGACCCGGGCGGTC  
 TCAAAGCTATCCGGTGGTGAAGTGCAGCCACCTGCCCGCGTCAAGCGGCCCTTACAGTCTACAACGG  
 GGAGCTGCTACGGCTCACCGCCACCACCGCTTATTACCCGCTCAAATTGCACTTCGGCGGGCTGCTG  
 AAGTATCCGGAGTCCATCTCTACTTACGCGGGCTGCAGCGGCCGCCCTAAGCCCGCGGAGCTGGGGT  
 CGCTGGCCAGCATCGACCGAGAGATCGCCATGCACAATCAGCAGCTGTCCGAGATGGCTGCCGGAAGGG  
 TCGCGGACGCTGGACTCGGGGACGTTGCCACCGCCGTCGCGGCGGGGAGGCACCGGGGCGGCGCG  
 AGCGGAGGACGCGCGCAGGTAAGCCCAAGACCGCCACCTGTGCCTCTACTGTGCAAGCTGTACTCGC  
 GCAAGTATGGGCTCAAGATCCACATGCGGACGCACACGGGCTACAAGCCACTCAAGTGAAGTCTGCT  
 GCGGCCCTTCGGCGACCCAGCAATCTCAACAAGCACATCCGGCTGCACGCCGAGGGCAATACGCCCTAC  
 CGCTGCGAGTTCTGCGGCAAGGTAAGTGTGCGCCGCGGGACCTGGAGCGACATGTCAAGTCCCGCCACC  
 CTGGCCAGAGTCTGCTCGCCAAAGCGGGGACGGCCCGGGTGCCGAGCCCGGCTATCCCGGAGGCTGG  
 GGATCCCAAGAGCGACGACAGTACGTTGACGTTGCTTACAGACGACCCAGAGCGACCCCGAGGTTGGG  
 GGCGGCGGGGAGCGGACTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214016 representing NM\_021620  
 Red=Cloning site Green=Tags(s)

MHGAARAPATSVSADCCIPAGLRLGPVPGTFKLGKYLSDRREPGPKKVRMVRGELVDESGGSPLEWIGL  
 IRAARNSQEQTLEAIADLPGGQIFYRALRDVQGEELTVWYSNSLAQWFDIPTTATPTHDEKGEERYICW  
 YCWRTFRYPNSLKAHLRFHCVFSGGGGGAFLHHEHAARQAVPAADGLGLSPKPPAPDFAAPSQAGTLRP  
 HPLGPPPVQACGAREGIKREASSAPSATSPTPGKWGQPKKGEQLDRALDMSGARGQGHFLGIVGGSSA  
 GVGSLAFYPGVRSFAFKPAGLARAAAAAHGDPYREESSKQAGLALGRLLGGGRACGRPGSGENSAAGGA  
 GHHHHHHAHHHHHPKCLLAGDPPPPPPGLPCSGALRGFPLLSVPPEEASAFKHVERAPAAAALPGARY  
 AQLPPAPGLPLERCALPPLDPGGLKAYPGGECSHLPAVMPAFTVYNGELLYGSPATTAYYPLKLHFGLL  
 KYPESISYFSGPAAAALSPAELGSLASIDREIAMHNQQLSEMAAGKGRGRLDSGTLPPAVAAAGGTGGG  
 SGGSGAGPKTGHLCYCGKLYSRKYGLKIHMRTHTGYKPLKCKVCLRPFGDPSNLNKHIRLHAENPTY  
 RCEFCGKVLVRRRDLERHVKSHPGQSLAKAGDGPGEAEPGYPPEPGDPKSDSDVDVCFDQSDPEV  
 GGERDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk8120\\_b08.zip](https://cdn.origene.com/chromatograms/mk8120_b08.zip)

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

ACCN: NM\_021620

ORF Size: 2121 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](#)

**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\\_021620.4](#)

**RefSeq Size:** 3204 bp

**RefSeq ORF:** 2124 bp

**Locus ID:** 59336

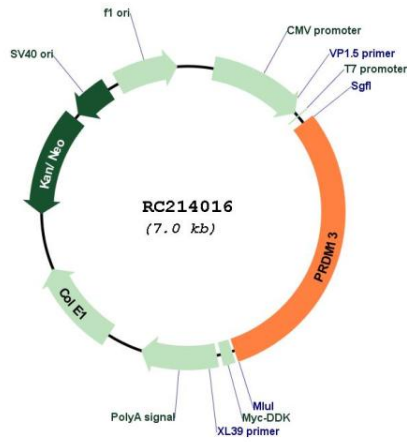
**UniProt ID:** [Q9H4Q3](#)

**Cytogenetics:** 6q16.2

**MW:** 74.4 kDa

**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC214016