

Product datasheet for **MC221713**

Prdm4 (NM_181650) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Prdm4 (NM_181650) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Prdm4 |
| Synonyms: | 1700031E19Rik; 2810470D21Rik; AW552272; SC; SC-; SC-1; SC1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC221713 representing NM_181650
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAATGACATGAACTTGAGCCAGTGGGGATGGAGCAGCTGTCTTCATCCTCTGTGAGCAATGCCCTGC
 CAGTCTCAGGAAGTCACCTGGGCTTGGCTGCCTCTCCCTCTCACAGTGCCATCCCTGCCCAAGACTTCC
 AGTGGCAATCCAAACCTGGGTCCCTCCCTGAGCTCTCTGCCTTCTGCCTTGTCTTATGCTCCCCGTG
 GGCATTGGAGACCGAGGAGTGATGTGTGGGCTACCTGAGAGGAACTACACCCTACCTCCACCTCCTTACC
 CTCACCTAGAGAGCAGTTACTTCAGAACCATTCTACCTGGCATTATCTTATTTAGCTGACAGACCACC
 TCCTCAGTATATCCACCCCAACTCTATAAATGTTGATGGAATACAGCATTATCTATCACAACAACCTT
 TCAGCACTAGATCCGATCAGGCCAATGGAATGTTGGATTAGAAGTGGCATTGTTTCAATAGACTCTC
 GCTCTGTAACACACATGGTGCCCAAAGCTTTCATCCTAATGATGGCCACGAAGTAGCATTGGACACAAC
 AATCACCATGGAGAATGTTTCTAGGGTTACCAGCCCAATCTCCACAGATGGAATGGCAGAGGAGCTTACA
 ATGGACGGTGTACAGGAGAGCATCCCCAAATCCCAAATGGCTCCAGAAGTCATGAGCCTCTCTGTGG
 ATTCTGTGAGCAACAGCCTTACAGCAGAAGCTGTAGGACATGGTGGTGTGATACCCATTCACGGGAATGG
 TCTGGAGCTTCTGTGGTCATGGAACTGACCACATTGCAAACCGGGTCAATGGGATGTCTGACAGTACC
 CTCAGTACTCCATCCACACCGTGGCCATGAGCACCAACTCTGTAAGCGTGGCACTCTCTACCTCACACA
 ACCTGGCTCCCTAGAGTCTGTTCCCTCCATGAAGTTGGCTTAGCCTAGAGCCTGTGGCTGTCTCTTC
 TATCACGCAGGAGTTGCCATGGGACAGGTCATGTAGATGTGCCTCAGACAGCTTGTCTTTGTACCA
 TCTTCACTGCAAAATGGAAGACTCCAATTCAAACAAGGAAAACATGGCAACCTGTTTACAATTTGGTGCA
 CTCTTTGTGACCGAGCCTACCCCTCAGATTGCCCTGATCATGGACCAGTACTTTTGTTCCTGACACACC
 AATAGAGAGCAGAGCAAGACTATCCCTCCCGAAGCAGCTTGTTCCTCCGCAAGTCCATCGTGGGAACAGAT
 GTTGTGGTGTCTTCCATTGATAGGTGTATGGACTGCAGAAACCATTCTGTGCGGACTTGCTTCGGAC
 CTCTAATTGGTCAGCAGAGTCACTCCTTGGAAAGTGCAGAGTGGACAGACAAGGCAGTTAACCATGTCTG
 GAAGATATACCACACTGGTGTCTGGAGTTCTGTATCATTACAACCGATGAGAATGAGTGAATTTGGATG
 ATGTTTGTGCGCAAAGCCAGGAACCGTGAAGAACAGAATTTGGTGGCCTATCCCCATGATGGGAAAATCT
 ATTTCTGTACCTACAAGACATCCCCCTGAAAGTGCAGTCTTTTCTATTACAGCCGGAATTACGCTCA
 ACAGATAGGTGTCTGTAACACCCAGATGTGCACCTCTGTAAGTGGCAAGGAGTGCAGTTCTTATTCA
 GAGTTCAAAGCTCATCTGACCAGCCATATCCACAATCATCTCCCTAGCCAGGGCCACAGCAGCAGCCATG
 GGCAAGCCACAGCAAGGAAAGGAGTGAAGTGTCAATGTGCCCCAGGCTTTTATCTCGCCTTCCAA
 ACTCCACGTTCACTTTATGGGCCACATGGGTATGAAGCCCAAGTGTGATTTTGTAGCAAGGCTTTT
 AGTGATCCAAGCAACCTACGGACACACCTCAAAAATACATACAGGTGAGAAAAATTATAGGTGACTTTGT
 GTGACAAGTCTTTCACGCAGAAGGCTCACCTGGAGTCTCATGGTATCCACACGGGTGAGAAGAATCT
 CAAGTGTGATTACTGTGACAAGCTGTTCATGCGGAGACAGGACCTCAAGCAGCAGTGTCTATCCACACG
 CAAGAACGCCAGATCAAGTGTCCGAAGTGTGATAAACTGTTCTTGAGAACAACCACTTGAAGAAGCATC
 TCAATTCTCACGAAGGAAAACGAGATTATGTCTGCGAAAAATGTACAAAGGCTTATCTAACCAAGTACCA
 TCTCACTCGCCACCTGAAGACCTGCAAAGAGCCAGCTCCAGCTCCTCTGCACAGGAGGAAGAGGATGAT
 GAGTCGGAGGAAGAAGATCTCGCAGACTCCATGAGGACAGAGGACTGCAGGATGGCAGTGTCTTACT
 CAACAGACGAGTCTCTCCGCACATAAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_181650
 Insert Size: 2412 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_181650.3](#), [NP_857633.2](#)

RefSeq Size: 3797 bp

RefSeq ORF: 2412 bp

Locus ID: 72843

UniProt ID: [Q80V63](#)

Cytogenetics: 10 C1

Gene Summary: This gene encodes a member of the PR/SET family of zinc finger proteins. This protein has been shown to bind DNA in a sequence-specific manner and has been implicated in neural stem cell proliferation and differentiation. Pseudogenes have been identified on chromosomes 14 and X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]

Transcript Variant: This variant (1) encodes the longest isoform (1).