

Product datasheet for **MC228469**

Prdm4 (NM_001302887) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prdm4 (NM_001302887) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prdm4
Synonyms:	1700031E19Rik; 2810470D21Rik; AW552272; SC; SC-; SC-1; SC1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228469 representing NM_001302887
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAATGTTTCTAGGGTTACCAGCCCAATCTCCACAGATGGAATGGCAGAGGAGCTTACAATGGACG
 GTGTTACAGGAGAGCATCCCCAAATCCCAATGGCTCCAGAAGTCATGAGCCTCTCTGTGGATTCTGT
 GAGCAACAGCCTTACAGCAGAAGCTGTAGGACATGGTGGTGTGATACCCATTACCGGAATGGTCTGGAG
 CTTCTGTGGTCATGGAACTGACCACATTGCAAACCGGGTCAATGGGATGTCTGACAGTACCCTCAGTG
 ACTCCATCCACACCGTGGCCATGAGCACCAACTCTGTAAGCGTGGCACTCTCTACCTCACACAACCTGGC
 CTCCTAGAGTCTGTTCCCTCCATGAAGTTGGCCTTAGCCTAGAGCCTGTGGCTGTCTTCTATCACG
 CAGGAGGTTGCCATGGGACAGGTCATGTAGATGTCTCCTCAGACAGCTGTCTTTGTACCATCTTCAC
 TGCAAATGGAAGACTCCAATTCAAACAAGGAAAACATGGCAACCTTGTTACAATTTGGTCACTCTTTG
 TGACCGAGCCTACCCCTCAGATTGCCCTGATCATGGACCAGTGACTTTTGTCTGACACACCAATAGAG
 AGCAGAGCAAGACTATCCCTCCCGAAGCAGCTTGTCTCCGCCAGTCCATCGTGGGAACAGATGTTGTTG
 GTGTCCTTCCATTGATAGGTGTATGGACTGCAGAAACCATTCTGTGCGGACTTGCTTCGGACCTCTAAT
 TGGTCAGCAGAGTCACTCCTTGGAGTAGCAGAGTGGACAGACAAGGCAGTTAACCATGTCTGGAAGATA
 TACCACACTGGTGTCTGGAGTCTGTATCATTACAACCGATGAGAATGAGTGAATTGGATGATGTTTG
 TGCGCAAAGCCAGGAACCGTGAAGAACAGAATTTGGTGGCCTATCCCATGATGGGAAAATCTATTTCTG
 TACCTCACAAGACATCCCCCTGAAAGTGAGCTGCTTTTCTATTACAGCCGGAATTACGCTCAACAGATA
 GGTGTTCTGAACACCCAGATGTGCACCTCTGTAAGTGGCAAGGAGTGCAGTTCCTATTCAGAGTTC
 AAGCTCATCTGACCAGCCATATCCACAATCATCTCCCTAGCCAGGGCCACAGCAGCAGCCATGGGCAAG
 CCACAGCAAGGAAAGGAAGTGGAAAGTGTCAATGTGCCCCAGGCTTTTATCTCGCCTTCCAAACTCCAC
 GTTCACTTTATGGGCCACATGGGTATGAAGCCCACAAGTGTGATTTTTGTAGCAAGCTTTTGTGATC
 CAAGCAACCTACGGACACACCTCAAATACATACAGGTCAGAAAAATTATAGGTGTACTTTGTGTGACAA
 GTCTTTCACGCAGAAGGCTCACCTGGAGTCTCACATGGTCCATCCACCGGTGAGAAGAATCTCAAGTGT
 GATTACTGTGACAAGCTGTTTATGCGGAGACAGGACCTCAAGCAGCAGTGTCTATCCACACGCAAGAAC
 GCCAGATCAAGTGTCCGAAGTGTGATAAAGTGTCTTGAAGCAAAACCACTTGAAGAAGCATCTCAATTC
 TCAGGAAGGAAAACGAGATTATGTCTGCAAAAAATGTACAAAGGCTTATTAACCAAGTACCATCTCACT
 CGCCACCTGAAGACCTGCAAAGAGCCCAGCTCCAGCTCCTCTGCACAGGGAAGAGGATGATGAGTCGG
 AGGAAGAAGATCTCGCAGACTCCATGAGGACAGAGGACTGCAGGATGGGCAGTGTGTTTACTCAACAGA
 CGAGTCTCTCCGCACATAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001302887
- Insert Size:** 1845 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001302887.1](#), [NP_001289816.1](#)

RefSeq Size: 3861 bp

RefSeq ORF: 1845 bp

Locus ID: 72843

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 (3) contains an alternate exon in the 5' region and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus than isoform 1.