

Product datasheet for **MC228951**

Prdm4 (NM_001302886) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prdm4 (NM_001302886) 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: >MC228951 representing NM_001302886
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATGACATGAACTTGAGCCAGTGGGGATGGAGCAGCTGTCTTCATCCTCTGTGAGCAATGCCCTGC
 CAGTCTCAGGAAGTACCTGGGCTTGGCTGCCTCTCCCTCTCACAGTGCCATCCCTGCCAGGACTTCC
 AGTGGCAATTCAAAACCTGGGTCCCTCCCTGAGCTCTCTGCCTTCTGCCTTGTCTTATGCTCCCCGTG
 GGCATTGGAGACCGAGGAGTGATGTGTGGGCTACCTGAGAGGAACTACACCCTACCTCCACCTCCTTACC
 CTCACCTAGAGAGCAGTTACTTCAGAACCATTCTACCTGGCATTATCTTATTTAGCTGACAGACCACC
 TCCTCAGTATATCCACCCAACTCTATAAATGTTGATGGAAATACAGCATTATCTATCACCAACAACCTT
 TCAGCACTAGATCCGTATCAGGCCAATGGAAATGTTGGATTAGAAGTGGCATTGTTTCAATAGACTCTC
 GCTCTGTAACACACATGGTGCCAAAGTCTTCATCCTAATGATGGCCACGAAGTAGCATTGGACACAAC
 AATCACCATGGAGAATGTTTCTAGGGTTACCAGCCAACTCCACAGATGGAATGGCAGAGGAGCTTACA
 ATGGACCGTGTTACAGGAGAGCATCCCCAAATCCCAAATGGCTCCAGAAGTCATGAGCCTCTCTGTGG
 ATTCTGTGAGCAACAGCCTTACAGCAGAAGCTGTAGGACATGGTGGTGTGATACCCATTACGGGAATGG
 TCTGGAGCTTCTGTGGTTCATGGAACTGACCACATTGCAAACCGGGTCAATGGGATGTCTGACAGTACC
 CTCAGTGACTCCATCCACACCGTGGCCATGAGCACCAACTCTGTAAGCGTGGCACTCTCTACCTCACACA
 ACCTGGCCTCCCTAGAGTCTGTTTCCCTCCATGAAGTTGGCCTTAGCCTAGAGCCTGTGGCTGTCTTCT
 TATCACGCAGGAGGTTGCCATGGGGACAGGTCTAGATGTGTCTCAGACAGCTTGTCTTTGTACCA
 TCTTACTGCAAAATGGAAGACTCCAATCAACAAGGAAAACATGGCAACCTGTTTACAATTTGGTGCA
 CTCTTTGTGACCGAGCCTACCCCTCAGATTGCCCTGATCATGGACCAAGTACTTTTCTCTGACACACC
 AATAGAGAGCAGAGCAAGACTATCCCTCCCGAAGCAGCTTGTCTCCGCCAGTCCATCGTGGGAACAGAT
 GTTGGTGTATGGACTGCAGAAACCATTCTGTGCGGACTTGCTTCCGACCTCTAATTGGTGCAGCAGATC
 ACTCCTTGAAGTAGCAGAGTGGACAGACAAGGCACTTAACCATGTCTGGAAGATATACCACACTGGTGT
 CCTGGAGTTCTGTATCATTACAACCGATGAGAATGAGTGAATTGGATGATGTTGTGCGCAAAGCCAGG
 AACCGTGAAGAACAGAATTTGGTGGCCTATCCCCATGATGGGAAAATCTATTTCTGTACCTCACAAGACA
 TCCCCCTGAAAGTGAGCTGCTTTTCTATTACAGCCGAATTACGCTCAACAGATAGGTGTTCTGAACA
 CCCAGATGTGCACCTCTGTAACCTGTGGCAAGGAGTGCAGTTCTATTAGAGTTCAAAGCTCATCTGACC
 AGCCATATCCACAATCATCTCCCTAGCCAGGGCCACAGCAGCCATGGCCAAAGCCACAGCAAGGAAA
 GGAAGTGAAGTGTCAATGTGCCCCAGGCTTTTATCTCGCCTTCCAACTCCACGTTCACTTTATGGG
 CCACATGGGTATGAAGCCCCACAAGTGTGATTTTTGTAGCAAGGCTTTTGTGATCCAAGCAACCTACGG
 ACACACCTCAAAATACATACAGGTGAGAAAAATATAGGTGACTTTGTGTGACAAGTCTTTACGCAGA
 AGGCTCACCTGGAGTCTCACATGGTTCATCCACACGGGTGAGAAGAATCTCAAGTGTGATTACTGTGACAA
 GCTGTTTATGCGGAGACAGGACCTCAAGCAGCAGTGCATCCACACGCAAGAAGCCAGATCAAGTGT
 CCGAAGTGTGATAAATGTTCTTGAGAACAACCACTGAAGAAGCATCTCAATTCTCACGAAGGAAAAC
 GAGATTATGTCTGCGAAAAATGTACAAAGGCTTATCTAACCAAGTACCATCTCACTCGCCACCTGAAGAC
 CTGCAAAGAGCCCAGCTCCAGCTCCTCTGCACAGGAGGAAGAGGATGATGAGTGGAGGAAGAAGATCTC
 GCAGACTCCATGAGGACAGAGGACTGCAGGATGGCAGTGTCTGTTTACTCAACAGACGAGTCTCTCTCCG
 CACATAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001302886
 Insert Size: 2391 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.
RefSeq:	<u>NM_001302886.1, NP_001289815.1</u>
RefSeq Size:	3955 bp
RefSeq ORF:	2391 bp
Locus ID:	72843
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) contains a longer 5' UTR and uses an alternate in-frame splice site in the central coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>