

Product datasheet for **SC115421**

PRDM4 (NM_012406) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM4 (NM_012406) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRDM4
Synonyms:	PFM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_012406, the custom clone sequence may differ by one or more nucleotides

```
ATGCATCACAGGATGAATGAAATGAACCTGAGTCCAGTGGGGATGGAGCAGCTGACTTCATCCTCTGTGA
GCAATGCCTTGCCAGTCTCAGGAAGTCACTGGGATTGGCTGCCTCACCCACTCACAGTGCCATCCCTGC
CCCAGGCTCCCAGTGGCAATTCAAACCTGGGTCCTCCCTGAGCTCTCTGCCTTCTGCTGTGCTTTTA
ATGCTACCAATGGGTATTGGGGATCGAGGGGTGATGTGTGGGTTACCTGAAAGAACTACACCCTACCTC
CACCACCTTACCCTCACCTGGAGAGCAGTTATTTCAGAACCATTCTACCTGGCATTATTTATTTTAGC
TGACAGACCACCTCCACAGTACATCCACCCTAACTCTATAAATGTTGATGGTAATACAGCATTATCTATC
ACCAATAACCCTTCAGCACTAGATCCCTATCAGTCCAATGGAATGTTGGATTAGAACCAGGCATTGTTT
CAATAGACTCTCGCTCTGTGAACACACATGGTGCCCAAAGTCTTCATCCCAGTGATGGCCATGAGGTGGC
CTTGACACAGCAATCACTATGGAGAACGTTTCTAGGGTACCAGCCAAATTCGACAGATGGAATGGCA
GAGGAGCTTACGATGGACGGTGTGCAGGCGAGCATTCCCAAATCCCAAATGGCTCCAGAAGTCATGAAC
CTCTGTCTGTGGATTCTGTGAGCAACAACCTTGACAGCAGCCTGTAGGACATGGTGGTGTGATACCCAT
GCATGGGAATGGCTGGAGCTCCCTGTGGTCATGGAGACAGACCACATTGCAAGTCGGGTCAATGGCATG
TCTGACAGTGGCCTCAGTGACTCCATTCACACTGTGGCCATGAGCACCAACTCTGTAAGCGTGGCACTCT
CTACCTCACACAACCTTGCCCTCCCTAGAATCTGTTTCCCTCCATGAAGTTGGCCTCAGCCTAGAACCTGT
GGCTGTCTCCTCCATCACCCAGGAGGTTGCTATGGGGACAGGTCATGTAGATGTATCTTCAGACAGTCTT
TCTTTTGTATCACCTTCACTGCAAAATGGAAGACTCCAATTCAAACAAGGAGAACATGGCAACCTTGTTTA
CAATTTGGTGTACTCTGTGTGACCGCGCTATCCCTCGGACTGTCCCGAACATGGACCAGTGACTTTTGT
TCCTGACACTCCAATAGAGAGCAGAGCAAGGCTTCTCTCCCAAAGCAGCTTGTCTCCGTCAGTCAATT
GTGGGAGCAGAAGTTGGTGTATGGACTGGAGAAACCATTCTGTGCGGACTTGCTTTGGACCTCAATTG
GCCAGCAGAGTCACTCCATGGAAGTAGCAGAATGGACAGACAAGGCAGTTAACCATATCTGGAAGATATA
CCACAATGGTGTCTAGAAATCTGCATCATTACAACCTGATGAAAATGAATGTAATTGGATGATGTTTGTG
CGCAAAGCCAGGAACCGGAAGAGCAGAAATTTGGTGGCTTATCCTCATGATGGAAAAATCTTTTTCTGCA
CCTCACAAGATATCCCTCCTGAAAATGAACTGCTTTTTTATTATAGCCGAGATTATGCTCAACAGATTGG
TGTTCTGAAACCCAGATGTGCATCTCTGTAACCTGTGGCAAGGAGTGCAATTCTTACACAGAGTTCAAA
GCCCATCTGACCAGCCACATCCATAACCATCTTCTACCCAGGGACATAGCGGCAGCCATGGGCCAAGTC
ACAGCAAAGAAAGGAAGTGAAGTGTCAATGTGCCCCAAGCTTTTATCTCTCCTTCCAAACTTCATGT
CCACTTTATGGGTCACATGGGTATGAAGCCCCACAAGTGTGATTCTGTAGCAAGGCTTTTAGTGATCCC
AGCAACCTGCGGACCCACCTCAAGATACATACAGGTGAGAAGAACTACAGGTGTACCTTGTGTGACAAGT
CTTTCACCCAGAAGGCTCACCTGGAGTCCCACATGGTTATCCACACTGGGGAGAAGAATCTTAAGTGTGA
TTACTGTGACAAGTTGTTTATGCGGAGGACAGGACCTCAAGCAGCACGTGCTCATCCACACTCAAGAACGC
CAGATCAAGTGTCCCAAGTGTGATAAGCTGTTCTTGAGAACAAATCACTTAAAGAAGCATCTCAATTCTC
ATGAAGGAAAACGGGATTATGTCTGTGAAAAATGTACAAAGGCTTATCTAACCAATACCATCTCACCCG
CCACCTGAAAACCTGCAAAGGGCCACCTCCAGTTCGTCAGCACCAGAGGAGGAAGAAGAGGATGACTCA
GAAGAGGAAGATCTAGCAGACTCTGTGGGACAGAAGACTGTAGGATTAACAGTGCTGTGTATTACGCGG
ATGAGTCTCTTTCTGCACATAAATAA
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012406 unedited
 AATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCGCGTCGGTG
 AGCGGTTGTGAGCAAGATGTGGTAGCACGTGACCCTGGAACGCAAACCTGATGCCTGTT
 CCCCACCACCCGAGCGCTCCTTTCTCTGATATTTGGCCCCAAGCCGATGCATCACAGGAT
 GAATGAAATGAACCTGAGTCCAGTGGGGATGGAGCAGTGACTTCATCCTCTGTGAGCAA
 TGCCTTGCCAGTCTCAGGAAGTCACTGGGATTGGCTGCCTCACCACTCACAGTGCCAT
 CCCTGCCCCAGGCTCCAGTGGCAATTCAAAACCTGGGTCCTCCCTGAGCTCTCTGCC
 TTCTGCTCTGTCTTTAATGCTACCAATGGGTATTGGGGATCGAGGGGTGATGTGTGGTT
 ACCTGAAAGAACTACACCCTACCTCCACCACCTTACCCTCACCTGGAGAGCAGTTATTT
 CAGAACCATTCTACCTGGCATTATCTTATTTAGCTGACAGACCACCTCCACAGTACAT
 CCACCCTAACTCTATAAATGTTGATGGTAATACAGCATTATCTATCACCAATAACCCCTC
 AGCACTAGATCCCTATCAGTCCAATGGAATGTTGGATTAGAACCAGCATTGTTTCAAT
 AGACTCTCGCTCTGTGAACACACATGGTGCCCAAAGTCTTCATCCAGTGATGGCCATGA
 GGGTGCCTTGACACAGCAATCACTATGGAGAACGTTTCTAGGGTACCAGCCCAATTTCC
 GACAGATGGAATGGCAGAAGAGCCTACGATGGNACGTGTTGCANGCGAACATTCCAATC
 CCAATGGCTCAAAGTCATGACCCTGTCTGTGGATTCTGGACCACAACCTGCACANAGC
 GTAGACTGGTGTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012406 unedited
 CGGCCGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTCCAGTTTTCCAATC
 TGTTTTAAAGTGTTCATTAGGATACTTCTGTAAGTGCTTTATTCATCCCAGTCTG
 TTTTGATTACTGGCTGAAAATAAATCAGGAACCATTTTATATAAAAACCATTATAGTAA
 TAACTGGTTATGTGATTTTTCCATTTGCATTTTCATCCAAAATTGCTTGTTCCTTTCC
 TTTTATTTATGGGCAAAAAGAGACTCATCCGCTGAATACACAGCACTGTTAATCCTACAG
 TCTTCTGTCCCCACAGAGTCTGCTAAATCTTCTCTTCTGAGTCATCCTCTTCTTCTCC
 TCTGGTGTGACAACTGGAGGTGGGCCCTTTCAGGTTTTCAGGTGGCGGGTGAATGG
 TATTTGGTTAAATAAGCCTTTGTACATTTTTCACAGACATAATCCCGTTTTCTTCATGA
 AAATTGAGATGCTTCTTTAAGTGATTTGTTCTCAAGAACAGCTTATCACACTGGGACAC
 AACAATTGTACAGTAATCACACTTAAGATTCTTCTCCCAGTGTGGATAACCATGTGG
 GACTCCAGGTGAGCCTTCTGGGTGAAAGACTTGTACACAAGGTACACCTGTAGTCTTCT
 TGACCTGTATGTATCTTGGAGTGGTCCGCAGGTTGCTGGGATCACTAAAAGCCTTGCTA
 CAGAAATACACTTGTGGGGCTTCATACCCATGTGACCCCAATAAGTGGACATGAAGTTGGA
 AGGAGAGAAAAAGCTGGNGGCACATTGAGCACTCCACTCCTTNCCTTGCTGGACTTGCCCA
 TGGCTCCGCTATGCCCTGGTAGAAAAGTTATGATGTGCTGTCAAAGGCCTTAACTGGTA
 GAATGCCTCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_012406

Insert Size:

2870 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).

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:	<ol style="list-style-type: none">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_012406.3 , NP_036538.3
RefSeq Size:	4225 bp
RefSeq ORF:	2406 bp
Locus ID:	11108
UniProt ID:	Q9UKN5
Cytogenetics:	12q23.3
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Protein Pathways:	Neurotrophin signaling pathway
Gene Summary:	The protein encoded by this gene is a transcription factor of the PR-domain protein family. It contains a PR-domain and multiple zinc finger motifs. Transcription factors of the PR-domain family are known to be involved in cell differentiation and tumorigenesis. An elevated expression level of this gene has been observed in PC12 cells treated with nerve growth factor, beta polypeptide (NGF). This gene is located in a chromosomal region that is thought to contain tumor suppressor genes. [provided by RefSeq, Jul 2008]