

Product datasheet for **SC126353**

PRDM14 (NM_024504) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM14 (NM_024504) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRDM14
Synonyms:	PFM11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_024504 edited
CCGAGCCCGAGTGGCCTACCGAGCCGAGTGGCCCGCAGCGTCCAGGAGGCGCCCGCTC
CGCGGTGGCGCTCTTGGAGGTGGTGTGCGGAGAGCCGCGAGCGTGCAGTCCCGGGATGGC
TCTACCCCGGCCAAGTGAAGGCGCTGCTCAGGACAAGGTGTGCTACCCGCGGAGAGCAG
CCCGCAGAACCTGGCCGCGTACTACACGCCTTCCCGTCTATGGACACTACAGAAACAG
CCTGGCCACCCTGGAGGAAGACTCCAACCTTCCGGCAGCTGGAGGCCGAGCGTCTGC
TGCCCGCCCATGCCCCCTTCCCTTCCGGATGGCGCCTCCCTTGCTGAGCCCGGGTCT
GGGCCTACAGAGGGAGCCTCTCTACGATCTGCCCTGGTACAGCAAGCTGCCACCGTGGTA
CCCAATCCCCACGTCCCGAGGGAAGTGCCGCCCTTCTGAGCAGCAGCCACGAGTACGC
GGGTGCCAGCAGTGAAGATCTGGGCCACCAATCATTGGTGGCGACAACGAGAGTGGCC
GTGTTGTGGACCTGACACTTTAATCCACCGCCCTGCGGATGCTTCTCTGTTACCTGA
GGGGCTGAGGACCTCCAGTTATTACCTTGCTCAGCCAGCAAGCAGTCAAGGATGGTCC
CAAACCTCCAACCAAGAAGGGAAGTCCCCTGCTCGGTTCCAGTTCACGGAGGAGACCT
GCACTTCGTTCTGTACGGGGTCACTCCAGCCTGGAGCAGCCAGCCAGCCTGCACCATGC
GATTTCAAGCCTCTGGTCCCCCAGACAGCTCTGGATCTGATTCTTCTCTCAAACCTCT
GGATGAAGACTCCCTTCAACTTCCAGAAGTCTATGCCTCATGCAGACGGTGTGGTGA
AGTCCACATTTTGGTGTGTTCTGCAGTGTATTCGCAAAAGGAGTCAAGTGGGGCC
CTTTCAAGGTAAGTGGTCAATGCCAGTGAAGTGAAGACCTACGGAGACAATTCTGTGAT
GTGGGAGATCTTTGAAGATGGTCATTTGAGCCACTTTATAGATGGAAAAGGAGGTACGGG
GAACTGGATGTCTATGTCAACTGTGCCCGCTTCCCAAGGAGCAGAACCTAGTTGCTGT
GCAGTGTCAAGGGCATATATTTTATGAGAGCTGCAAAGAGATTATCAGAACCAAGAGCT
CCTTGTGTGGTATGGAGACTGCTATGAGAAATTTCTGGATATTCTGTGAGCCTCAGGT
CACAGAGCCGGGAAGCAGCCATCTGGCCCTCTGAAGAGTCTGCAGAAGGCTACAGATG
TGAAAGATGTGGGAAGGTATTTACCTACAAATATTACAGAGATAAGCACCTCAAGTACAC
CCCTGTGTGGACAAGGGCGATAGGAAATTTCCCTGTTCTCTGCAAACGATCCTTTGA
GAAGCGGGACCGGCTTCGGATCCACATTCTCATGTTTATGAGAAGCAGCCGCTCACAA
GTGTTCTACATGTGGAAATGTTTCTCTCAGTCTTCCAGCCTAAACAAACACATGCGAGT
CCACTCTGGAGACAGACCATAACAGTGTGTGATTGTACTAAGAGGTTACAGCCTCCAG
CATACTCCGCACACACATCAGGCAGCACTCCGGGGAGAAGCCCTTCAAATGCAAGTACTG
TGATAAATCTTTTGCATCCCATGCTGCCATGACAGCCATGTCCGGCGTTCACACAAGGA
GGACGATGGCTGCTCATGCAGCATCTGTGGGAAATCTTCTCAGATCAAGAAACATTCTA
CTCCACATGAAGTTTCAATGAAGACTACTAGCCCTGCCAGGCACAATGACTCACGCCTGT
AATCCCAGCACTTTGGGAGGCAGAGGTGGTGGATCACTCAAGTCCAGGATTCGAGACC
AGCCTGGGCAACATGGTGAATCCTGTCTTACCAAAAAAATACAAAAATCAGCTGGGGG
TGGTGGCAGATGCCTGTGGTTCCAGCCACTCAGGAGGTCGAGGTGGCAGGATGGTTTGAG
CACAGGAGACGGAGTTGCTGTGAGCTGAGATCGCCCCACTGCTTTTCAACCTGGGTGAC
AGAACCAGACCCTGTCTCAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024504 unedited GGTCAAATTTTGTATACGACTCATATAGGCGGACCGGATTTCGGCACGAGGCCGAGCCCC AGTGGCCTACCGAGCCCGAGTGGCCCCGCAGCGTCCAGGAGGCGCCCGCTCCGCGGTGGC GCTCTTGGAGGTGGTGTGCGGAGAGCCCGGAGCGTGGGTCCCGGGATGGCTCTACCCCG GCCAAGTGAGGCCGTGCCTCAGGACAAGGTGTGCTACCCGCCGGAGAGCAGCCCGCAGAA CCTGGCCCGCTACTACAGCCTTTCCCGTCCTATGGACTACAGAAACAGCCTGGCCAC CGTGGAGGAAGACTTCCAACCTTTCCGGCAGCTGGAGGCCGAGCGTCTGCTGCCCCCGC CATGCCCCCTTCCCTTCCGGATGGCGCCTCCCTTGCTGAGCCCGGGTCTGGGCCTACA GAGGGAGCCTCTACTAGTCTGCCTGGTACAGCAAGCTGCCACCGTGGTACCCAATTCC CCACGTCCCAGGGAAGTGCCGCCCTTCTGAGCAGCAGCCACGAGTACGCGGGTCCAG CAGTGAAGATCTGGGCCACCAAATCATTGGTGGCGACAACGAGAGTGGCCCGTGTGTGG ACCTGACACTTTAATCCACCGCCCTGCGGATGCTTCTGTTACCTGAGGGGCTGAG GACCTCCAGTTATTACCTTGCTACCCAGCAAGCAGTCAGAGGATGGTCCCAAACCTC CAACCAAGAAGGGAAGTCCCCTGCTCGGTTCCAGTTCACGGAGGAGGACCTGCACCTCGT TCTGTACGGNGTCACTCCAGCCTGGAGCACCCAGCCAGCCTGCACCATGCGATTCAGG CCTCCTGGTCCCCCGACAGCTCTGGATCTGATTCTTCTCTCAACTCTGGATGAAGACT CCCTTCACTTNC AAGGTCTATGCTCATGCGACGC
Restriction Sites:	Please inquire
ACCN:	NM_024504
Insert Size:	2100 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_024504.2 , NP_078780.1
RefSeq Size:	2221 bp
RefSeq ORF:	1716 bp
Locus ID:	63978
UniProt ID:	Q9GZV8
Cytogenetics:	8q13.3
Protein Families:	Transcription Factors

Gene Summary:

This gene encodes a member of the PRDI-BF1 and RIZ homology domain containing (PRDM) family of transcriptional regulators. The encoded protein may possess histone methyltransferase activity and plays a critical role in cell pluripotency by suppressing the expression of differentiation marker genes. Expression of this gene may play a role in breast cancer. [provided by RefSeq, Dec 2011]