

Product datasheet for **SC310210**

PRDM5 (NM_018699) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM5 (NM_018699) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRDM5
Synonyms:	BCS2; PFM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310210 representing NM_018699.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCTGGGCATGTACGTGCCGGACAGTTCTCCCTGAAGTCTCCCGGGTTCAGGACGGCATGGGGCTC
TACACGGCCCGCAGAGTGCAGAAAGGGTGAAGTTTCGGACCCCTTGTCTGGAGAGAAGAGAATGCCTGAA
GACTTGGATGAAAATATGGATTACAGGTTGATGTGGGAGGTTTCGTGGGAGTAAGGGAGAAGTTTGTAC
ATTTTGGATGCTACCAACCCACGGCACTCCAACCTGGCTTCGCTTCATGAGGCACCATCTCAGGAG
CAGAAGAAGTGGCTGCCATTCAAGAAGGAGAAAACATTTTCTATTTGGCAGTTGAAGATATAGAAACA
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CATCTCCAGACATTGCACAGAAACCCACAGAGGAGAAAGATTTAAGTGCAAGAACTGTGGGAAGAAA
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CATATCCGGAGCCACACAGGTGAGCGTCCCTATCAATGTCCTTACTGTGAAAAAGGATTTCAGTAAAAAT
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GATGTTTGTGATTGGCTTTTAGCCTGAAGAAAATGCTGATTGACACAAAGATGACTCATAATCCCAAT
CGTCCCTGGCAGAAATGCCAGTTTTGCCATAAGAAGTTTACAAGGAATGACTACCTCAAAGTGACATG
GACAATATCCATGGTGTAGCTGACAGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_018699

Insert Size: 1893 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_018699.3</u>
RefSeq Size:	5349 bp
RefSeq ORF:	1893 bp
Locus ID:	11107
UniProt ID:	<u>Q9NQX1</u>
Cytogenetics:	4q27
Domains:	SET, zf-C2H2
Protein Families:	Transcription Factors
MW:	73.1 kDa
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. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.