

Product datasheet for **SC326096**

PRDM6 (NM_001136239) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM6 (NM_001136239) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRDM6
Synonyms:	KMT8C; PDA3; PRISM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC326096 representing NM_001136239.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCTGAAGCCCGGAGACCCCGCGGTTTCGGCCTTCCTCAAAGTGGACCCAGCCTACCTGCAGCACTGG
CAGCAACTCTTCCCTCACGGAGGCGCAGGCCCGCTCAAGGGCAGCGGCCCGCGGGTCTCCTGAGCGCG
CCGCAGCCTCTTACGCCCGCCGCCGCCCGCCCGCCCGGAGCGCGCTGAGCCTCCGCCGGACAGCCTG
CGCCCGCGGCCCGCCTCTCTCTCTCCGCTCGTCCACGCCGGTTCTCTTCCACCTCCGCCTCTCC
GCCTCTCTCTGCGCTGCTGCGGCCGCTGCCGCCGCGTGGCTGGTCTCTCGGCCCTGCCGGTGTGCGAG
CTGCCGGTGTTCGCGCTCTAGCCGCCGCTGCCGTGCCGCCGAGCCGCTGCCCCCAAGGAACTGTGC
CTCGGCCGACCTCCGGCCCCGGGCCCGTCAAGTGCGGTGGTGGTGGCGCGGCCGGGGAGGGTTCGC
GGCGCCCCGCGCTCCGCTGCAGCGCAGAGGAGCTGGACTATTACCTGTATGGCCAGCAGCGCATGGAG
ATCATCCCGCTCAACCAGCACACCAGCGACCCCAACAACCGTTGCGACATGTGCGCGGACAACCGCAAC
GGCGAGTGCCTATGCATGGGCCACTGCACTCGCTGCGCCGGCTTGTGGGCACCAGCAGCGCTGCGGCC
GCCCGCCCCCGCGGAGCTGCCGGAGTGGCTGCGGGACCTGCCTCGCGAGGTGTGCCTCTGCACCACT
ACTGTGCCCGGCCCTGGCCTACGGCATCTGCGCGCGCAGAGGATCCAGCAAGGCACCTGGATTGGACCT
TTCAAGGCGTGCTTCTGCCCCAGAGAAGGTGCAGGCAGGCCCGGTGAGGAACACGCAGCATCTCTGG
GAGATATATGACCAGGATGGGACACTACAGCACTTTATTGATGGTGGGAACTAGTAAGTCGAGCTGG
ATGAGGTATATCCGATGTGCAAGGCACTGCGGAGAACAGAATCTAACAGTAGTTCAGTACAGGTCGAAT
ATATTCTACCGAGCCTGTATAGATATCCCTAGGGGCACCGAGCTTCTGGTGTGGTACAATGACAGCTAT
ACGTCTTTCTTTGGGATCCCTTACAATGCATTGCCAGGATGAAAATTAATGTCCCTTCAACGGTA
ATGGAAGCCATGTGCAGACAAGACGCCCTGCAGCCCTTCAACAAAAGCAGCAAACCTGCCCTACCACC
CAGCAGCGCTCCGTTGTTTTCCCGCAGACTCCGTGCAGCAGGAACCTCTCTTCTGGATAAGTCTGGG
CCCATTGAATCAGGATTTAATCAAATCAACGTGAAAAACCAGCGAGTCTGGCAAGCCAACTTCCACA
AGCCAGCTCCACTCGGAGTTCAGTACTGGCATCTTTGGAATGTGGCAGTGCTTTAAGACTTTTACC
CAGCGGATCCTCTTACAGATGCACGTGTGCACGCAGAACCCCGACAGACCCTACCAATGCGGCCACTGC
TCCCAGTCTTTTCCAGCCTTCAGAACTGAGGAACCAGTGGTCACTCACTCTAGTGACCGGCCTTTC
AAGTGGGCTACTGTGGTCTGCCTTTGCCGGGCCACCACCCTCAACAACCACATCCGAACCCACACT
GGAGAAAAGCCCTTCAAGTGCAGAGGTGTGAGAGGAGCTTACGCAGGCCACCCAGCTGAGCCGACAC
CAGCGGATGCCAATGAGTGCAAGCCAATAACTGAGAGCCAGAATCAATCGAAGTGGATTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001136239
Insert Size: 1788 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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: [NM_001136239.1](#)

RefSeq Size: 3027 bp

RefSeq ORF: 1788 bp

Locus ID: 93166

UniProt ID: [Q9NQX0](#)

Cytogenetics: 5q23.2

MW: 64.5 kDa

Gene Summary: The protein encoded by this gene is a transcriptional repressor and a member of the PRDM family. Family members contain a PR domain and multiple zinc-finger domains. The encoded protein is involved in regulation of vascular smooth muscle cells (VSMC) contractile proteins. Mutations in this gene result in patent ductus arteriosus 3 (PDA3). [provided by RefSeq, Apr 2017]