

Product datasheet for **RC239044**

PRDM5 (NM_001300823) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM5 (NM_001300823) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRDM5
Synonyms:	BCS2; PFM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC239044 representing NM_001300823
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGGCATGTACGTGCCGACAGGTTCTCCCTGAAGTCCTCCCGGTTTCAGGACGGCATGGGGCTCT
 ACACGGCCCGCAGAGTGCAGAAAGGGTGAAGAGTTTCGGACCTTTGCTGGAGAGAAGAGAATGCCTGAAGA
 CTTGGATGAAAATATGGATTACAGGTTGATGTGGGAGGTTCTGGGAGTAAGGGAGAAGTTTGTACATT
 TTGGATGCTACCAACCCACGGCACTCCAACCTGGCTTCGCTTCGTTTCATGAGGCACCATCTCAGGAGCAGA
 AGAACTTGGCTGCCATTCAAGAAGGAGAAAACATTTTCTATTTGGCAGTTGAAGATATAGAAACAGACAC
 GGAGCTTCTGATTGGCTACCTGGATAGTGACATGGAGGCTGAGGAGGAAGAAGCAGCAAATTATGACAGTC
 ATCAAAGAAGGGGAAGTTGAAAATTCTAGAAGACAATCAACAGCGGGCAGAAAAGATCGCCTTGGCTGTA
 AAGAGGACTATGCTTGTCTCAATGTGAATCGAGTTTACCAGTGAGGATATTCTTGCTGAGCATCTCCA
 GACATTGCACAGAAACCCACAGAGGAGAAAAGAAATTTAAGTGCAAGAACTGTGGGAAGAAATTTCCAGTT
 AAGCAGGCTTTGCAAAGACATTTTGAGCAGCACCAGGAGACTTGCCTGGGGGGATGCCAGGTTTGTGTGCA
 AGGCTGACAGCTGTGAAAGAGGCTGAAGAGCAAGGATGCCCTGAAAAGACACCAGGAAAATGTCCACAC
 TGGAGATCCTAAGAAAAAGCTTATATGTTTCAGTGTGCAATAAAAAGTGTTCTTCAGCATCAAGCCTACAG
 GAACATAGAAAGATTCATGAGATATTTGATTGTCAAGAATGTATGAAGAAATTTATTTTCAGCTAATCAGC
 TAAACGTCATATGATACCCCACTCAGAAAAACGACCTATAATTGCGAGATTTGTAATAAGTCTTTCAA
 GAGGCTTGATCAAGTGGGTGCTCAGAAAGTAATACACAGCGAAGACAAACCTTACAAATGCAAACTTTGT
 GGAAGGGATTTGCCACAGAAATGTTTACAAGAATCATAAGAAGACCCACTCTGAGGAGAGACCGTTCC
 AATGTGAAGAATGTAAAGCTTTGTTCCGGACCCCATTTTCTTTACAGAGACACCTGCTAATACATAACAG
 TGAGAGGACTTTCAAGTGCCATCACTGCGATGCTACCTTTAAGAGGAAGGATACATTAAATGTTTCATGTC
 CAGGTGGTTTCATGAAAGACACAAGAAATAGGTGTGAGCTATGTAATAAGGCCTTTGTTACACCTTCAG
 TGCTTAGAAGTCATAAGAAAAACATACAGGAGAAAAGGAGAAAATCTGTCCATATTGTGGCCAGAAAT
 TGCCAGCAGTGGTACACTCAGAGTTCATATCCGGAGCCACACAGGTGAGCGTCCCTATCAATGTCCTTAC
 TGTGAAAAGGATTTCAGTAAAAATGATGGACTGAAGATGCACATTCGTAATCACACCAGGAGAGACCGGT
 ACAAGTGTCTCAGAGTGCAGCAAGGCCTTCAGCCAGAAGCGAGGCCTGGATGAGCACAAGAGGACGCACAC
 TGGAGAAAAGCCTTTTCAGTGTGATGTTTGTGATTGGCTTTAGCCTGAAGAAAATGCTGATTCGACAC
 AAGATGACTCATAATCCAATCGTCCCCTGGCAGAATGCCAGTTTGGCATAAGAAGTTTACAAGGAATG
 ACTACCTCAAAGTGCACATGGACAATATCCATGGTGTAGCTGACAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239044 representing NM_001300823
 Red=Cloning site Green=Tags(s)

MLGMYVPDRFLSKSSRVQDGMGLYTARRVRKGEKFGPFAGEKRPEDLDENMDYRLMWEVRGSKGEVLYI
 LDATNPRHSNWLRFVHEAPSQEKNLAAIQEGENIFYLAVEDIETDELLIGYLDSDMEAEQEQIMTV
 IKEGEVENSRRQSTAGRKDLGCKEDYACQCESSFTSEDILAHLQTLHQKPTEEKEFKCKNCGKKFPV
 KQALQRHFEQHETCRGDARFVCKADSCGKRLKSKDALKRHQENVHTGDPKKKLICSVCKKCSSASSLQ
 EHRKIHEIFDCQECMKKFISANQLKRHMITHSEKRPYNCEICNKSFKRLDQVGAHKVIHSEDKPYKCKLC
 GKGF AHRNVYKNHKKTHSEERPFQCEEKALFRTPFSLQRHLLIHNSERTFKCHHCDATFKRKDTLNVHV
 QVYHERHKYRCELCNKAFTVPSVLRSHKKTHTGEKEKICPYCGQKFASSGTLRVHRSHTGERPYQCPY
 CEKGF SKNDGLKMHIRTHTREKPYKCECSKAFSQKRGLDEHKRTHTEKPFQCDVCDLAFSLKKMLIRH
 KMTHNPNRPLAECQFCHKKFTRNLYLKVHMDNIHGVADS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001300823

ORF Size: 1797 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001300823.2](#)

RefSeq Size: 5256 bp

RefSeq ORF: 1800 bp

Locus ID: 11107

UniProt ID: Q9NQX1

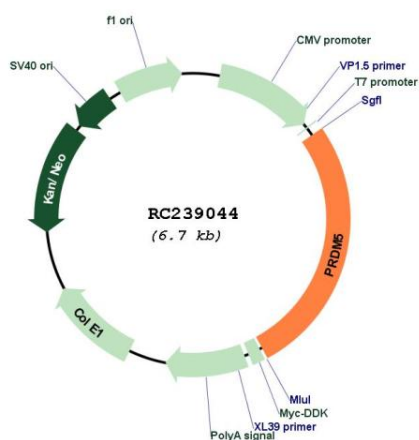
Cytogenetics: 4q27

Protein Families: Transcription Factors

MW: 70.3 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]

Product images:



Circular map for RC239044