

Product datasheet for **RG211714**

PRDM5 (NM_018699) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PRDM5
Synonyms:	BCS2; PFM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG211714 representing NM_018699
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGGGCATGTACGTGCCGGACAGGTTCTCCCTGAAGTCCTCCCGGTTTCAGGACGGCATGGGGCTCT
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 CTTGGATGAAAATATGGATTACAGGTTGATGTGGGAGGTTCTGTTGAGTAAAGGAGAAGTTTTGTACATT
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 AGCGTCCCTATCAATGTCCTTACTGTGAAAAAGGATTTCAGTAAAAATGATGGACTGAAGTGCACATTCG
 TACTCACACAGGAGAGCCGTACAAGTGTCTCAGAGTGCAGCAAGGCCTTCAGCCAGAAGCAGGCGCTG
 GATGAGCACAAGAGGACGCACACTGGAGAAAAGCCTTTTCAGTGTGATGTTTGTGATTGGCTTTTAGCC
 TGAAGAAAATGCTGATTGACACAAGATGACTCATAATCCCAATCGTCCCTGGCAGAAATGCCAGTTTTG
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

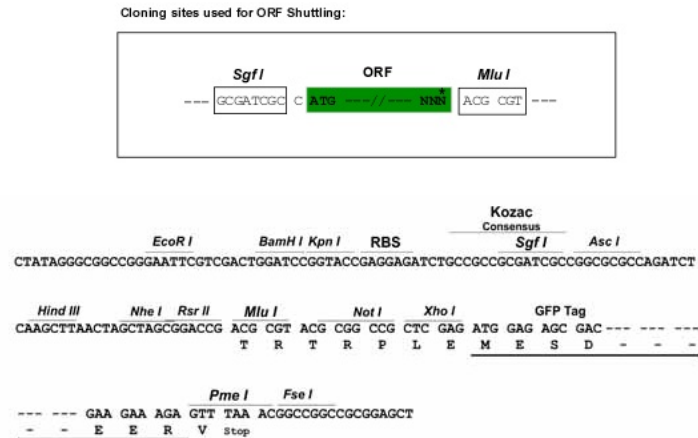
Protein Sequence: >RG211714 representing NM_018699
 Red=Cloning site Green=Tags(s)

MLGMYVPDRFSLKSSRVQDGMGLYTARRVRKGEKFGPFAGEKRPEDLDENMDYRLMWVVRGSKGEVLYI
 LDATNPRHSNWLRFVHEAPSQEQKLAALIEGENIFYLAVEDIETDTLLIGYLDSDMEAEQEQIMTV
 IKEGEVENSRRQSTAGRKDRLGCKEDYACPQCESSFTSEDILAEHLQTLHQKPTEEKEFKCKNCGKKFPV
 KQALQRHVLQCTAKSSLKESSRFQCSVCNSSFSASSFEQHQETCRGDARFVCKADSCGKRLKSKDALK
 RHQENVHTGDPKKKLICSVCNKKCSSASSLQEHKRIHEIFDCQECMKKFI SANQLKRHMITHSEKRPYNC
 EICNKSFKRLDQVGAHKVIHSEDKPYKCKLCGKGF AHRNVYKNHKKTHSEERPFQCEECKALFRTPFSLQ
 RHLLIHNSERTFKCHHCDATFKRKDTLNVHVQVVERHKKYRCEL CNKAFVTPSVLRSHKKTHTGEKEKI
 CPYCGQKFASSGTLRVHIRSHTGERPYQCPYCEKGF SKNDGLKMHIRTHTREKPYKCECSKAFSQRGL
 DEHKRTHTEKPFQCDVCLAFSLKKMLIRHKMTHNPNRPLAECQFCHKKFTRN DYLVHMDNIHGVADS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018699

ORF Size: 1890 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:

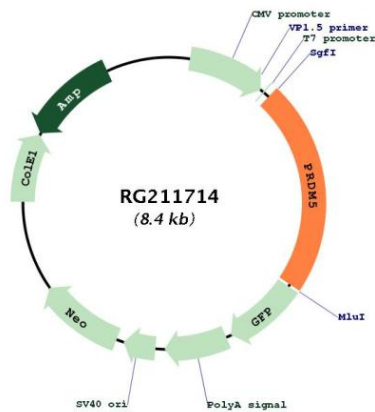
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_018699.4](#)

RefSeq Size:	2492 bp
RefSeq ORF:	1893 bp
Locus ID:	11107
UniProt ID:	Q9NQX1
Cytogenetics:	4q27
Domains:	SET, zf-C2H2
Protein Families:	Transcription Factors
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 RG211714