

Product datasheet for RC211078

PRDM10 (NM_199437) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM10 (NM_199437) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRDM10
Synonyms:	PFM7; TRIS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211078 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGATCCAAAGATGAAAGCTCGCATGTGTGGCCGACATCTGCAGAGCATGAACAGAATGCCGCACAGG
TGCACCTTTGTTCCGGACACAGGAACAGTGGCTCAGATTGTCTATACCGATGACCAGGTTCCGCCCTCACA
GCAGGTGGTGTACACGGCAGATGGTGCCTCTACACATCAGTGGTCCAGAGCACACGCTGGTGTAC
ATCCACCCGGTGAAGCTGCACAGACTCTGTTTACAGACCCCGCCAGGTAGCTTATGTCCAACAGGATG
CTACAGCTCAGCAGGCCCTATTGCCAGTTCATAACCAGGTGCTGCCTTCCATCGAGAGTGTAGATGGGTC
CGACCTTTGGCAACTCTGCAGACCCCTTAGGCAGACTGGAGGCCAAAGAGGAAGAGGATGAGGATGAG
GACGAGGACACTGAGGAAGATGAGGAAGAAGACGGTGAGGACACGGATCTGGATGACTGGGAGCCAGACC
CGCCCCGGCCCTTCGACCCACACGACTTGTGGTGTGAGGAGTGCAATAACGCGCATGCTTCAGTGTGTCC
GAAGCACGGCCCTTGCACCCGATCCCCAACGGCCGGTGTCTACCCGGGCCAGGGCGAGCTCCCCCTG
GTGCTCTACATAGACAGTTCCTGGGCGGGTGTCTCCAAGCGGCGCATCCCCAAGCGCACCCAGTTTG
GCCCGTGGAGGGCCCTCTCGTCAGGGGCTCGGAGCTGAAAGACTGTTACATTCACCTCAAGTTTCTCT
TGATAAAGGGGACAGGAAAGAAAGGGATTTACATGAAGACCTATGGTTTGAGTTGTCTGATGAGACGCTT
TGTAACATGGATGATGTTTGTACGGCCAGCCAGAATCACCTGGAGCAGAACCTGGTGGCTTACCAGTATG
GCCACCATGTGATTATACAACCATAAAAAATGTGGAGCCAAAGCAGGAACCTGAAGGTGTGGTATGCCGC
ATCCTATGCTGAGTTCGTGAACCAGAAAATTCATGACATTTCTGAGGAAGAAAGGAAAGTTCTTCGAGAG
CAAGAGAAGAATTGGCCCTGCTATGAATGTAACCGCCGATTTATAAGCTCGGAGCAGTTGCAACAGCATC
TCAATTCTCATGATGAGAACTAGATGTGTTTAGCAGAACAAGAGGCAGAGGAAGGGGACGAGGCAAGAG
GCGATTCGGTCCAGGTCGACGGCCGGGGCGTCTCCAAAATTTATCCGCCTGAAATCACCAGCGAAAAT
GGGAAAAGAGTGACGATGGGACACAGGACTTGCTACATTTTCCACAAAGGAGCAATTTGATGAGGCTG
AACCAGCCACTCTGAATGGGCTGGATCAACCAGAACAGACCACTATCCCAATCCCTCAGCTGCCACAGGA
AACCCAGTCTTCCCTGGAACATGAACCAGAAACTCACACCCTGCACCTGCAGCCGACGATGAAGAGAGC



[View online »](#)

GTGGTGCCACCCAGAGCACGCTGACAGCCGACGACATGCGCAGAGCCAAGCGCATCCGAAATGCAGCTC
TTCAGCATCTGTTTATTCGGAAGTCTTCCGGCCTTTAAATGCTTGCAGTGTGGGAAGGCCTTCCGGGA
AAAGGACAAAAGTGGACCAGCACTTACGCTTCCATGGGCGGGAGGGGAAGTGGCCACTGACCTGTGATCTC
TGTAACAAGGGCTTCATCAGCAGCACATCCTTGGAGAGCCACATGAAGTCCACTCAGACCAGAAGACTT
ACTCTTGCAATTTTTGCCAGAATCCTTGGACCGCTTGATTTGTTGAAAGATCATGTGGCCATTATAT
CAATGATGGCTACTTCACCTGCCAACTTGTAAAGAACGGTCCAGATTTTATCCAGGTGAAAAACAC
GTGCGCAGCTTCCACTCAGAAAAGATCTACCAGTGCACAGAGTGTGACAAGGCCTTCTGTGCCCCGATA
AACTGCGACTCCACATGCTCCGGCATTCCGACCGCAAAGACTTCTGTGTTCCACCTGTGGGAAGCAATT
TAAGCGAAAAGACAAAACACGGAACACATGCAGAGGATGCATAATCCTGAGAGGGAGGCCAAGAAAGCC
GACCGCATCAGCCGCTCCAAGACGTTCAAGCCCCGCATCACGTCCACAGACTACGACAGCTTACGTTCA
AGTGCCGCTGTGCATGATGGGCTTCCGGCGGCGGGCATGCTGGTAAATCACTTATCGAAGAGACACCC
AGACATGAAGATAGAAGAGGTGCCAGAGTTAACTCTACCCATCATAAAACCCAATCGTGATTACTTTTGT
CAGTATTGCGATAAGGTTTATAAAAGTGCCAGCAAGCGCAAAGCCACATTCTGAAGAACCACCCAGGAG
CAGAGCTCCACCGAGCATTTCGGAAGCTCCGACCCGCTGGTCTTGAGAGCCAGACCCCATGCTGAGCAC
ACACACCCAGCTGACGGGCACCATCGCCACCCCTCCCGTCTGCTGTCCCACTGCTCCAAGCAGTACAGC
AGCAAGACCAAGATGGTCCAGCACATTCGAAAGAGCATCCAGAGTTCGCCAGCTCTCCAACACCATAC
ACACACCACTGACGACAGCTGTGATCAGTGCCACCCAGCGGTTTTGACTACAGACAGCGCCACTGGAGA
GACTGTGGTGACGACGGACCTGCTCACCAAGCAATGACAGAAGTGTCCAGACCTTAAACGACAGACTAC
CGAAGCCACAAGGGGATTACCAGAGAATTCAAGTACATCCCTGTGTCGAGTCCGGCTCTGGCCTCCAGC
AGCCTCAGCACATACAGCTGCAAGTGGTTCAAGTGGCCTCGGCCACTTCCCCTCACCAGTACAGCAGTC
CAGGTGAGGAGCCTACCGCTCGGCCCGTCTCCGCCAGGTATCTGGCAGCCGTTGAGTCCCTCAG
CCCAGCAGGCTCAGCAGGGGCTCAGCCCTCCACATCCAGGGCAGTTCTCCACACAGGGGCAGGCTCT
GCAGCAGCAGCAGCAGCAGCAGCAGAAATCCTCTGTGCAGCACAGTACCTGCCAGTGCTTGAATTCC
TTCCGTGGCTATTCATCTGAGATTCAAATGATGACGCTTCTCCGGGTGAGTTTGTGATTACAGACAGTG
GTGTGGCAACTCCAGTTACTACTGGCCAGGTGAAGGCGGTTACTTCGGGTATTATGTGTTATCAGAAAG
TCAATCAGAAATTGAAGAAAAGCAAATCTGCCCTCTCTGGTGGAGTCCAGGTCCAGCCACCTGCACAC
AGTGACTCCCTGGACCCCGAGCAACAGCCAACAGCAGACCACACAGTACATCATCACCACCACCA
ACGGGAACGGAAGCAGCGAAGTGCATATCACCAAACCA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211078 protein sequence

Red=Cloning site Green=Tags(s)

MDSKDESSHVWPTSAEHEQNAAQVHFVDPDTGTVAQIVYTDQVQVPSQVQVYVYADGASYTSVDGPEHTLVY
 IHPVEAAQTLFTDPGQVAVYQQDATAQQASLPVHNQVLPVSVSDGSDPLATLQTPVLRLEAKKEEEDDE
 DEDTEDEEEDGEDTDLDDWEPDPPRPFDPHDLWCEECNNAHASVCPKHGPHLPINRNPVLRARASLPL
 VLYIDRFLGGVFSKRRIIPKRTQFGPVEGPLVRGSELKDCYIHLKVSLDKGDRKERDLHEDLWFLSDEL
 CNWMMFVRPAQNHLQNLVAYQYGHVYVYTTIKNVEPKQELKVWYAASYAEFVNQKIHDISEEERKVLRE
 QEKNWPCYECNRRFISSEQLQQHLNSHDEKLDVFSRTRGRGRGRKRRFGPGRPPKPFIRLEITSEN
 GEKSDDGTDLLHFPTKEQFDEAEPATLNLGDQPEQTTIPQPLPQETQSSLEHEPETHTLHLQPQHEES
 VVPTQSTLTADDMRRAKRIRNAALQHLFIRKSFRRPFKCLQCGKAFREKDKLDQHLRFHGREGNCPLTCDL
 CNKGFISSTSLESHMKLHSDQKTYSCIFCPESFDRLDLLKDHVAIHINDGYFTCPTCKRFPDFIQVKKH
 VRSFHSEKIYQTECDKAFCRPKDLRLHMLRHSRDKDFLCSTCGKQFKRKDKLREHMQRMHNPAREAKKA
 DRISRSKTFKPRITSTDYDSFTFKCRLCMMGFRRRGMLVNHLKRHPDMKIEEVEPELTLPIKPNRDYFC
 QYCDKVYKSASKRKAHILKNHPGAELPPSIRKLRPAGGEPDPMLSTHTQLTGTIATPPVCCPHCSKQYS
 SKTKMVQHIRKKHPEFAQLSNTIHTPLTTAVISATPAVLTTDSATGETVVTTDLLTQAMTELSQTLTDDY
 RTPQGDYQRIQYIPVQSASGLQQPQHIQLQVVQVASATSPHQSQSTVDVQQLHDPQPYQHAIQVQHI
 QVSEPTASAPSSAQVSGQPLSPSAQQAQGLSPSHIQGSSSTQGQALQQQQQQQNSSVQHTYLPASWNS
 FRGYSSEIQMMLTLPQGQFVITDSGVATPVTTGQVKAVTSGHYVLSSESQSELEEKQTSALSGGVQVEPPAH
 SDSLDPQTNSQQTTQYIITTTTNGNGSSEVHITKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

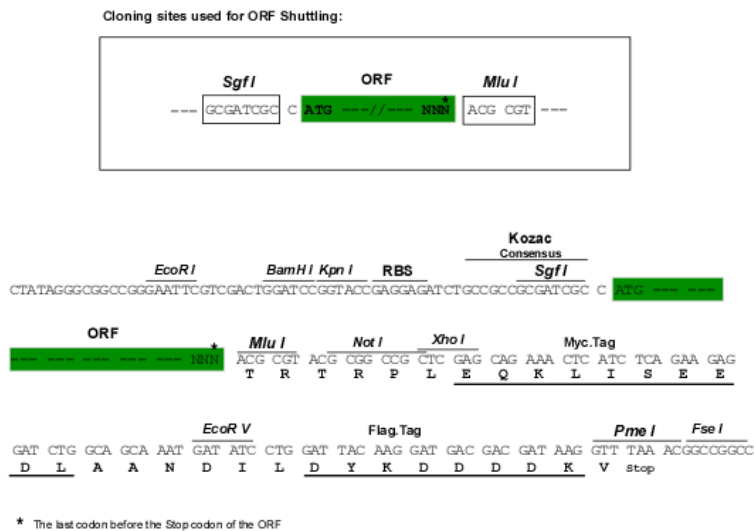
Chromatograms:

https://cdn.origene.com/chromatograms/mk6378_d11.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:

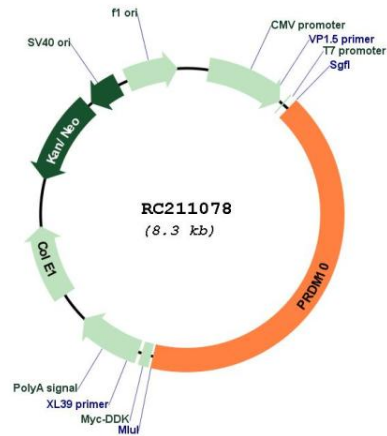
NM_199437

ORF Size:

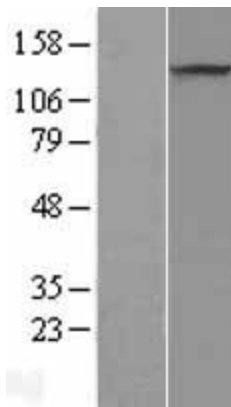
3468 bp

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:	<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_199437.1 , NP_955469.1
RefSeq Size:	6318 bp
RefSeq ORF:	3471 bp
Locus ID:	56980
UniProt ID:	Q9NQV6
Cytogenetics:	11q24.3
Protein Families:	Transcription Factors
MW:	130.9 kDa
Gene Summary:	The protein encoded by this gene is a transcription factor that contains C2H2-type zinc-fingers. It also contains a positive regulatory domain, which has been found in several other zinc-finger transcription factors including those involved in B cell differentiation and tumor suppression. Studies of the mouse counterpart suggest that this protein may be involved in the development of the central nerve system (CNS), as well as in the pathogenesis of neuronal storage disease. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC211078



Western blot validation of overexpression lysate (Cat# [LY404561]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211078 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).