

## Product datasheet for RC222028

### PRDM10 (NM\_199438) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM10 (NM_199438) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRDM10
Synonyms:	PFM7; TRIS
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC222028 representing NM_199438 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCTGCTTACTCTGTGCCTTCAACTTTTGCCAGGCCTCATTGCCAGTTCATAACCAGGTGCTGCCTT  
CCATCGAGAGTGTAGATGGTCCGACCTTTGGCAACTCTGCAGACCCCTCTAGGCAGACTGGAGGCCAA  
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CTGGATGACTGGGAGCCAGACCCGCCCGCCCTTCGACCCACACGACTTGTGGTGTGAGGAGTGCATA  
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CAATCCCTCAGCTGCCACAGGAAACCCAGTCTTCCCTGGAACATGAACCAGAAAATCACACCCTGCACCT  
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 GATGCATAATCCTGAGAGGGAGGCCAAGAAAGCCGACCGCATCAGCCGCTCCAAGACGTTCAAGCCCCGC  
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 AACGGAAGCAGCGAAGTGCATATCACCAAACCA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC222028 representing NM\_199438

Red=Cloning site Green=Tags(s)

MSAYSVPSTFAQASLPVHNQVLPSIESVDGSDPLATLQTPGRLEAKEEEDEDEDEDETEDEEEDGEDTD  
 LDDWEPDPPRPFDPHDLWCEECNNAHASVCPKHGPHLPINRPVLRARASLPLVLYIDRFLGGVFSKRR  
 IPKRTQFPGVEGPLVRGSELKDCYIHLKVSVDKGRKERDLHEDLWFELSDETLCNMMFVRPAQNHLEQ  
 NLVAYQYGHVYTTIKNVEPKQELKVWYAASYAEFVNQKIHDISEEERKVLREQKNWPCYECNRRFIS  
 SEQLQQHLNSHDEKLDVFSRTRGRGRGRKRRFGPGRRPGRPPKFI RLEITSENGEKSDDGTDLLHFPT  
 KEQFDEAEPATLNGLDQPEQTTIPQLPQETQSSLEHEPETHTLHLQPQHEESVPTQSTLTADDMRA  
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 TECDKAFCRPDKLRHMLRHSRDKDFLCTCGKQFKRDKLREHMQRMHNPEREAKKADRI SRSKTFKPR  
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 RKAHILKNHPGAEPPSIRKLRPAGPGEPPMLSTHTQLTGTIATPPVCCPHCSKQYSSKTMVQHIRKK  
 HPEFAQLSNTIHTPLTTAVISATPAVLTTDSATGETVVTTDLLTQAMTELSQTLTTDYRTPQGDYQRIQY  
 IPVQSASGLQQPQHIQLQVVQVASATSPHQSQQSTVDVGLHDPQPYQHAIQVQHIQVSGQPLSPSAQ  
 QAQQGLSPSHIQSSSTQGOALQQQQQQNSSVQHTYLP SAWNSFRGYSSEIQMMTLPPGQFVITDSGV  
 ATPVTTGQVKAVTSGHYVLSSESQSELEEKQTSALSGGVQVEPPAHSDSLDPQTNQQQTTQYIITTTTNG  
 NGSSEVHITKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

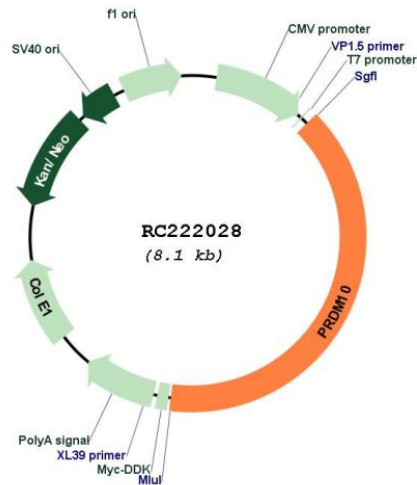
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_199438

ORF Size:

3183 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_199438.2</u>
<b>RefSeq Size:</b>	6027 bp
<b>RefSeq ORF:</b>	3186 bp
<b>Locus ID:</b>	56980
<b>UniProt ID:</b>	<u>Q9NQV6</u>
<b>Cytogenetics:</b>	11q24.3
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	120.5 kDa
<b>Gene Summary:</b>	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]