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# Product datasheet for SC315233

## PRDM10 (NM_020228) Human Untagged Clone

### Product data:

**Product Type:** Expression Plasmids

**Product Name:** PRDM10 (NM_020228) Human Untagged Clone

**Tag:** Tag Free

**Symbol:** PRDM10

**Synonyms:** PFM7; TRIS

**Vector:** pCMV6 series

**Fully Sequenced ORF:**

>NCBI ORF sequence for NM_020228, the custom clone sequence may differ by one or more nucleotides

ATGGATTCCAAAGATGAAAGCTCGCATGTGTGGCCGACATCTGCAGAGCATGAACAGAAT
GCCGCACAGGTGCACTTTGTTCCGGACACAGGAACAGTGGCTCAGATTGTCTATACCGAT
GACCAGGTTCGCCCCCCACAGCAGGTGGTGTACACGGCAGATGGTGCCTCCTACACATCA
GTGGATGGTCCAGAGCACACGCTGGTGTACATCCACCCGGTGGAAGCTGCACAGACTCTG
TTTACAGACCCCGGCCAGGTAGCTTATGTCCAACAGGATGCTACAGCTCAGCAGGCCTCA
TTGCCAGTTCATAACCAGGTGCTGCCTTCCATCGAGAGTGTAGATGGGTCCGACCCTTTG
GCAACTCTGCAGACCCCTCTAGGCAGACTGGAGGCCAAAGAGGAAGAGGATGAGGATGAG
GACGAGGACACTGAGGAAGATGAGGAAGAAGACGGTGAGGACACGGATCTGGATGACTGG
GAGCCAGACCCGCCCCGGCCCTTCGACCCACACGACTTGTGGTGTGAGGAGTGCAATAAC
GCGCATGCTTCAGTGTGTCCGAAGCACGGCCCCTTGCACCCGATCCCCAACCGGCCGGTG
CTCACCCGGGCCAGGGCGAGCCTCCCCCTGGTGCTCTACATAGACAGGTTTCTGGGCGGG
GTGTTCTCCAAGCGGCGCATCCCCAAGCGCACCCAGTTTGGCCCCGTGGAGGGGCCTCTC
GTCAGGGGCTCGGAGCTGAAAGACTGTTACATTCACCTCAAGGTTTCTCTTGATAAAGGG
GACAGGAAAGAAAGGGATTTACATGAAGACCTATGGTTTGAGTTGTCTGATGAGACGCTT
TGTAACTGGATGATGTTTGTACGGCCAGCCCAGAATCACCTGGAGCAGAACCTGGTGGCT
TACCAGTATGGCCACCATGTGTATTATACAACCATAAAAAATGTGGAGCCCAAGCAGGAA
CTGAAGGTGTGGTATGCCGCATCCTATGCTGAGTTCGTGAACCAGAAAATTCATGACATT
TCTGAGGAAGAAAGGAAAGTTCTTCGAGAGCAAGAGAAGAATTGGCCCTGCTATGAATGT
AACCGCCGATTTATAAGCTCGGAGCAGTTGCAACAGCATCTCAATTCTCATGATGAGAAA
CTAGATGTGTTTAGCAGAACAAGAGGCAGAGGAAGGGGACGAGGCAAGAGGCGATTCGGT
CCAGGTCGACGGCCGGGGCGTCCTCCAAAATTTATCCGCCTGGAAATCACCAGCGAAAAT
GGGGAAAAGAGTGACGATGGGACACAGGACTTGCTACATTTTCCCACAAAGGAGCAATTT
GATGAGGCTGAACCAGCCACTCTGAATGGGCTGGATCAACCAGAACAGACCACTATCCCA
ATCCCTCAGCTGCCACAGGAAACCCAGTCTTCCCTGGAACATGAACCAGAAACTCACACC
CTGCACCTGCAGCCGCAGCATGAAGAGAGCGTGGTGCCCACCCAGAGCACGCTGACAGCC
GACGACATGCGCAGAGCCAAGCGCATCCGATTGGAGCTGCAGAATGCAGCTCTTCAGCAT
CTGTTTATTCGGAAGTCCTTCCGGCCTTTTAAATGCTTGCAGTGTGGGAAGGCCTTCCGG
GAAAAGGACAAACTGGACCAGCACTTACGCTTCCATGGGCGGGAGGGGAACTGCCCACTG
ACCTGTGATCTCTGTAACAAGGGCTTCATCAGCAGCACATCCTTGGAGAGCCACATGAAG



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CTCCACTCAGACCAGAAGACTTACTCTTGCATTTTTTGCCCAGAATCCTTTGACCGCCTT
GATTTGTTGAAAGATCATGTGGCCATTCATATCAATGATGGCTACTTCACCTGCCCAACT
TGTAAGAAACGGTTCCCAGATTTTATCCAGGTGAAAAAACACGTGCGCAGCTTCCACTCA
GAAAAGATCTACCAGTGCACAGAGTGTGACAAGGCCTTCTGTCGCCCCGATAAACTGCGA
CTCCACATGCTCCGGCATTCGGACCGCAAAGACTTCCTGTGTTCCACCTGTGGGAAGCAA
TTTAAGCGAAAAGACAAACTACGGGAACACATGCAGAGGATGCATAATCCTGAGAGGGAG
GCCAAGAAAGCCGACCGCATCAGCCGCTCCAAGACGTTCAAGCCCCGCATCACGTCCACA
GACTACGACAGCTTCACGTTCAAGTGCCGCCTGTGCATGATGGGCTTCCGGCGGCGCGGC
ATGCTGGTAAATCACTTATCGAAGAGACACCCAGACATGAAGATAGAAGAGGTGCCAGAG
TTAACTCTACCCATCATAAAACCCAATCGTGATTACTTTTGTCAGTATTGCGATAAGGTT
TATAAAAGTGCCAGCAAGCGCAAAGCCCACATTCTGAAGAACCACCCAGGAGCAGAGCTC
CCACCGAGCATTCGGAAGCTCCGACCCGCTGGTCCTGGAGAGCCAGACCCCATGCTGAGC
ACACACACCCAGCTGACGGGCACCATCGCCACCCCTCCCGTCTGCTGTCCCCACTGCTCC
AAGCAGTACAGCAGCAAGACCAAGATGGTCCAGCACATTCGAAAGAAGCATCCAGAGTTC
GCCCAGCTCTCCAACACCATACACACACCACTGACGACAGCTGTGATCAGTGCCACCCCA
GCGGTTTTGACTACAGACAGCGCCACTGGAGAGACTGTGGTGACGACGGACCTGCTCACC
CAAGCAATGACAGAACTGTCCCAGACCTTAACGACAGACTACCGAACGCCACAAGGGGAT
TACCAGAGAATTCAGTACATCCCTGTGTCGCAGTCGGCGTCTGGCCTCCAGCAGCCTCAG
CACATACAGCTGCAAGTGGTTCAAGTGGCCTCGGCCACTTCCCCTCACCAGTCACAGCAG
TCCACTGTGGATGTTGGCCAGCTCCATGATCCTCAGCCCTACCCCCAGCACGCCATCCAG
GTGCAGCACATCCAGGTCAGCGAGCCTACCGCCTCGGCCCCGTCCTCCGCCCAGGTATCT
GGGCAGCCGTTGAGTCCCTCAGCCCAGCAGGCTCAGCAGGGGCTCAGCCCCTCCCACATC
CAGGGCAGTTCTTCCACACAGGGGCAGGCTCTGCAGCAGCAGCAGCAGCAGCAGCAGAAT
TCCTCTGTGCAGCACACGTACCTGCCCAGTGCTTGGAATTCCTTCCGTGGCTATTCATCT
GAGATTCAAATGATGACGCTTCCTCCGGGTCAGTTTGTGATTACAGACAGTGGTGTGGCA
ACTCCAGTTACTACTGGCCAGGTGAAGGCGGTTACTTCGGGTCATTATGTGTTATCAGAA
AGTCAATCAGAATTGGAAGAAAAGCAAACTTCTGCCCTCTCTGGTGGAGTCCAGGTCGAG
CCACCTGCACACAGTGACTCCCTGGACCCCCAGACCAACAGCCAACAGCAGACCACACAG
TACATCATCACCACCACCACCAACGGGAACGGAAGCAGCGAAGTGCATATCACCAAACCA

**Restriction Sites:** Please inquire

**ACCN:** NM_020228

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_020228.2, NP_064613.2 |
| **RefSeq Size:** | 6341 bp |
| **RefSeq ORF:** | 3483 bp |
| **Locus ID:** | 56980 |
| **UniProt ID:** | Q9NQV6 |
| **Cytogenetics:** | 11q24.3 |
| **Domains:** | zf-C2H2 |
| **Protein Families:** | Transcription Factors |
| **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]<br>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. |