

Product datasheet for **SC307974**

PRDM10 (NM_199438) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM10 (NM_199438) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRDM10
Synonyms:	PFM7; TRIS
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_199438, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCTTACTCTGTGCTTCAACTTTTGGCCAGGCCTCATTGCCAGTTCATAACCAG
GTGCTGCTTCCATCGAGAGTGTAGATGGGTCCGACCCTTTGGCAACTCTGCAGACCCCT
CTAGGCAGACTGGAGGCCAAAGAGGAAGAGGATGAGGATGAGGACGAGGACACTGAGGAA
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GATTTTATCCAGGTGAAAAAACAGTGCGCAGCTTCCACTCAGAAAAGATCTACCAAGTGC
ACAGAGTGTGACAAGGCCTTCTGTGCCCCGATAAACTGCGACTCCACATGCTCCGGCAT

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TCCGACCGCAAAGACTTCTGTGTTCCACCTGTGGGAAGCAATTTAAGCGAAAAGACAAA
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TTCAAGTGCCGCTGTGCATGATGGGCTTCCGGCGGCGCGGCATGCTGGTAAATCACTTA
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TCTGAGATTCAAATGATGACGCTTCTCCGGGTCAAGTTTGTGATTACAGACAGTGGTGTG
GCAACTCCAGTTACTACTGGCCAGGTGAAGGCGGTTACTTCGGGTCAATTATGTGTTATCA
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GAGCCACCTGCACACAGTGACTCCCTGGACCCCGAGACCAACAGCCAACAGCAGACCACA
CAGTACATCATCACACCACCACCAACGGAACGGAAGCAGCGAAGTGCATATCACCAAA
CCATGA

Restriction Sites:	Please inquire
ACCN:	NM_199438
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. 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:	<u>NM_199438.1, NP_955470.1</u>
RefSeq Size:	6027 bp

RefSeq ORF: 3186 bp

Locus ID: 56980

UniProt ID: [Q9NQV6](#)

Cytogenetics: 11q24.3

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]

Transcript Variant: This variant (3) has multiple differences compared to the variant 1. The resulting isoform (3) has a distinct and shorter N-terminus, and lacks an internal region, as compared to 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.