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Product datasheet for SC307973

PRDM10 (NM_199437) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM10 (NM_199437) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRDM10
Synonyms:	PFM7; TRIS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307973 representing NM_199437. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATTCCAAAGATGAAAGCTCGCATGTGTGGCCGACATCTGCAGAGCATGAACAGAATGCCGCACAG
GTGCACTTTGTTCCGGACACAGGAACAGTGGCTCAGATTGTCTATACCGATGACCAGGTTCGCCCCCCA
CAGCAGGTGGTGTACACGGCAGATGGTGCCTCCTACACATCAGTGGATGGTCCAGAGCACACGCTGGTG
TACATCCACCCGGTGGAAGCTGCACAGACTCTGTTTACAGACCCCGGCCAGGTAGCTTATGTCCAACAG
GATGCTACAGCTCAGCAGGCCTCATTGCCAGTTCATAACCAGGTGCTGCCTTCCATCGAGAGTGTAGAT
GGGTCCGACCCTTTGGCAACTCTGCAGACCCCTCTAGGCAGACTGGAGGCCAAAGAGGAAGAGGATGAG
GATGAGGACGAGGACACTGAGGAAGATGAGGAAGAAGACGGTGAGGACACGGATCTGGATGACTGGGAG
CCAGACCCGCCCCGGCCCTTCGACCCACACGACTTGTGGTGTGAGGAGTGCAATAACGCGCATGCTTCA
GTGTGTCCGAAGCACGGCCCCTTGCACCCGATCCCCAACCGGCCGGTGCTCACCCGGGCCAGGGCGAGC
CTCCCCCTGGTGCTCTACATAGACAGGTTTCTGGGCGGGGTGTTCTCCAAGCGGCGCATCCCCAAGCGC
ACCCAGTTTGGCCCCGTGGAGGGGCCTCTCGTCAGGGGCTCGGAGCTGAAAGACTGTTACATTCACCTC
AAGGTTTCTCTTGATAAAGGGGACAGGAAAGAAAGGGATTTACATGAAGACCTATGGTTTGAGTTGTCT
GATGAGACGCTTTGTAACTGGATGATGTTTGTACGGCCAGCCCAGAATCACCTGGAGCAGAACCTGGTG
GCTTACCAGTATGGCCACCATGTGTATTATACAACCATAAAAAATGTGGAGCCCAAGCAGGAACTGAAG
GTGTGGTATGCCGCATCCTATGCTGAGTTCGTGAACCAGAAAATTCATGACATTTCTGAGGAAGAAAGG
AAAGTTCTTCGAGAGCAAGAGAAGAATTGGCCCTGCTATGAATGTAACCGCCGATTTATAAGCTCGGAG
CAGTTGCAACAGCATCTCAATTCTCATGATGAGAAACTAGATGTGTTTAGCAGAACAAGAGGCAGAGGA
AGGGGACGAGGCAAGAGGCGATTCGGTCCAGGTCGACGGCCGGGGCGTCCTCCAAAATTTATCCGCCTG
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GAGCAATTTGATGAGGCTGAACCAGCCACTCTGAATGGGCTGGATCAACCAGAACAGACCACTATCCCA
ATCCCTCAGCTGCCACAGGAAACCCAGTCTTCCCTGGAACATGAACCAGAAACTCACACCCTGCACCTG
CAGCCGCAGCATGAAGAGAGCGTGGTGCCCACCCAGAGCACGCTGACAGCCGACGACATGCGCAGAGCC

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AAGCGCATCCGAAATGCAGCTCTTCAGCATCTGTTTATTCGGAAGTCCTTCCGGCCTTTTAAATGCTTG
CAGTGTGGGAAGGCCTTCCGGGAAAAGGACAAACTGGACCAGCACTTACGCTTCCATGGGCGGGAGGGG
AACTGCCCACTGACCTGTGATCTCTGTAACAAGGGCTTCATCAGCAGCACATCCTTGGAGAGCCACATG
AAGCTCCACTCAGACCAGAAGACTTACTCTTGCATTTTTTGCCCAGAATCCTTTGACCGCCTTGATTTG
TTGAAAGATCATGTGGCCATTCATATCAATGATGGCTACTTCACCTGCCCAACTTGTAAGAAACGGTTC
CCAGATTTTATCCAGGTGAAAAAACACGTGCGCAGCTTCCACTCAGAAAAGATCTACCAGTGCACAGAG
TGTGACAAGGCCTTCTGTCGCCCCGATAAACTGCGACTCCACATGCTCCGGCATTCGGACCGCAAAGAC
TTCCTGTGTTCCACCTGTGGGAAGCAATTTAAGCGAAAAGACAAACTACGGGAACACATGCAGAGGATG
CATAATCCTGAGAGGGAGGCCAAGAAAGCCGACCGCATCAGCCGCTCCAAGACGTTCAAGCCCCGCATC
ACGTCCACAGACTACGACAGCTTCACGTTCAAGTGCCGCCTGTGCATGATGGGCTTCCGGCGGCGCGGC
ATGCTGGTAAATCACTTATCGAAGAGACACCCAGACATGAAGATAGAAGAGGTGCCAGAGTTAACTCTA
CCCATCATAAAACCCAATCGTGATTACTTTTGTCAGTATTGCGATAAGGTTTATAAAAGTGCCAGCAAG
CGCAAAGCCCACATTCTGAAGAACCACCCAGGAGCAGAGCTCCCACCGAGCATTCGGAAGCTCCGACCC
GCTGGTCCTGGAGAGCCAGACCCCATGCTGAGCACACACACCCAGCTGACGGGCACCATCGCCACCCCT
CCCGTCTGCTGTCCCCACTGCTCCAAGCAGTACAGCAGCAAGACCAAGATGGTCCAGCACATTCGAAAG
AAGCATCCAGAGTTCGCCCAGCTCTCCAACACCATACACACACCACTGACGACAGCTGTGATCAGTGCC
ACCCCAGCGGTTTTGACTACAGACAGCGCCACTGGAGAGACTGTGGTGACGACGGACCTGCTCACCCAA
GCAATGACAGAACTGTCCCAGACCTTAACGACAGACTACCGAACGCCACAAGGGGATTACCAGAGAATT
CAGTACATCCCTGTGTCGCAGTCGGCGTCTGGCCTCCAGCAGCCTCAGCACATACAGCTGCAAGTGGTT
CAAGTGGCCTCGGCCACTTCCCCTCACCAGTCACAGCAGTCCACTGTGGATGTTGGCCAGCTCCATGAT
CCTCAGCCCTACCCCCAGCACGCCATCCAGGTGCAGCACATCCAGGTCAGCGAGCCTACCGCCTCGGCC
CCGTCCTCCGCCCAGGTATCTGGGCAGCCGTTGAGTCCCTCAGCCCAGCAGGCTCAGCAGGGGCTCAGC
CCCTCCCACATCCAGGGCAGTTCTTCCACACAGGGGCAGGCTCTGCAGCAGCAGCAGCAGCAGCAGCAG
AATTCCTCTGTGCAGCACACGTACCTGCCCAGTGCTTGGAATTCCTTCCGTGGCTATTCATCTGAGATT
CAAATGATGACGCTTCCTCCGGGTCAGTTTGTGATTACAGACAGTGGTGTGGCAACTCCAGTTACTACT
GGCCAGGTGAAGGCGGTTACTTCGGGTCATTATGTGTTATCAGAAAGTCAATCAGAATTGGAAGAAAAG
CAAACTTCTGCCCTCTCTGGTGGAGTCCAGGTCGAGCCACCTGCACACAGTGACTCCCTGGACCCCCAG
ACCAACAGCCAACAGCAGACCACACAGTACATCATCACCACCACCACCAACGGGAACGGAAGCAGCGAA
GTGCATATCACCAAACCATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_199437

Insert Size: 3471 bp

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:	NM_199437.1
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] Transcript Variant: This variant (2) lacks an in-frame coding exon compared to variant 1. The resulting isoform (2) 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.