

Product datasheet for SC305712

PRDM7 (NM_052996) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM7 (NM_052996) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRDM7
Synonyms:	PFM4; ZNF910
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305712 representing NM_052996. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGTGTCAGAACTTCTTCATTGACAGCTGTGCTGCTCATGGGCCCTACATTTGTAAAGGACAGTGCA
 GTGGACAAGGGGCATCCAACCGTTTCAGCCCTCAGTCTGCCCGGGGCTGAGAATTGGGCCATCAGGC
 ATCCCTCAGGCTGGGCTTGAGTATGGAACGAGGCATCTGATCTGCCACTGGGTCTGCACTTTGGCCCC
 TATGAGGGCCGAATTACAGAAGACGAAGAGGCAGCCAACAGTGGATATTCCTGGCTAATACCAAGGGG
 AGAACTGCTATGAGTATGTGGATGAAAAGATAAATCCTCGGCCAACTGGATGAGAACCAAGCCAGA
 GATCCATCCATGTCCCTCATGCTGTCTGGCCTTTTCAAGTCAAAAATTTCTCAGTCAACATGTGGAACG
 CAATCACTCCTCTCAGAACTTCCAGGACCATCTGCAAGAAAATTCTCCAACCAGAGAATCCCTGCC
 AGGGGATCAGAATCAGGAGCGGCAATATTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC

Restriction Sites:	SgfI-MluI
ACCN:	NM_052996
Insert Size:	516 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).


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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:	<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:	<u>NM_052996.2</u>
RefSeq Size:	2504 bp
RefSeq ORF:	516 bp
Locus ID:	11105
Cytogenetics:	16q24.3
MW:	18.4 kDa
Gene Summary:	<p>This gene encodes a member of a family of proteins that may have roles in transcription and other nuclear processes. The encoded protein contains a KRAB (Kruppel-associated box) domain -A box and a SET (Su(var)3-9, Enhancer-of-zeste, Trithorax) domain and may function as a histone methyltransferase. [provided by RefSeq, Aug 2013]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and has multiple coding region differences, compared to variant 1. These differences cause translation initiation at a downstream ATG and an isoform (2) with a shorter N-terminus and distinct C-terminus, compared to isoform 1.</p>