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Product datasheet for SC337935

PRDM15 (NM_001282934) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM15 (NM_001282934) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRDM15
Synonyms:	C21orf83; PFM15; ZNF298
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282934, the custom clone sequence may differ by one or more nucleotides

ATGCCCCGCCGCCGCCCCCCGGCTTCCGGTGCTGCGCAGTTTCCGGAGCGGATCGCAACCCGGAGTCCGG
ATCCGATCCCGCTCTGCACATTCCAAAGGCAGGTGTCAGAGATGGCTGAAGATGGGAGCGAAGAGATCAT
GTTCATCTGGTGTGAAGACTGCAGCCAGTACCACGACTCCGAATGTCCCGAGCTGGGCCCAGTGGTCATG
GTCAAAGACTCCTTTGTGTTAAGCAGGGCAAGGTCATCCCTTCCTCCCAACTTGGAGATCAGACGACTGG
AAGATGGAGCCGAGGGGGTGTTCGCCATCACTCAGCTCGTCAAGCGGACACAGTTCGGTCCCTTTGAGTC
CAGGAGGGTCGCCAAATGGGAAAAGGAGTCTGCATTTCCCCTGAAGGTGTTCCAGAAGGACGGGCACCCC
GTGTGCTTCGACACCTCCAACGAGGATGACTGCAACTGGATGATGCTGGTGCGGCCAGCGGCGGAGGCCG
AGCACCAGAACCTGACGGCCTACCAGCACGGCAGCGACGTGTACTTCACCACCTCCAGAGACATCCCCCC
GGGTACCGAGCTGCGCGTGTGGTATGCGGCCTTCTATGCCAAGAAGATGGACAAGCCCATGCTGAAGCAG
GCCGGCTCTGGCGTCCACGCTGCAGGCACCCCAGAAAACAGCGCCCCCGTGGAGTCGGAGCCCAGCCAGT
GGGCGTGTAAAGTGTGTTCTGCCACCTTCCTGGAGCTGCAGCTCCTCAATGAACATCTGTTGGGCCACTT
AGAACAAGCCAAAAGCCTTCCTCCAGGCAGCCAAAGCGAGGCAGCAGCTCCCGAGAAGGAGCAGGACACA
CCCCGGGGGGAACCCCCTGCAGTGCCCGAGAGCGAGAATGTTGCCACCAAAGAACAGAAGAAAAAGCCTC
GAAGGGGGAGAAAACCCAAAGTGTCCAAAGCTGAGCAGCCTCTAGTCATCGTGGAAGACAAGGAACCCAC
AGAGCAAGTGGCAGAGATCATTACCGAGGTCCCTCCGGATGAGCCTGTGAGTGCAACGCCAGATGAGCGG
ATCATGGAGCTGGTTCTGGGGAAGCTGGCCACCACCACCACTGACACCAGCTCGGTTCCAAAGTTCACCC
ATCATCAGAATAACACCATCACGCTCAAGAGGAGCTTAATTCTCTCAAGCAGACACGGCATCCGGCGCAA
GCTCATCAAACAGCTCGGGGAGCACAAGCGGGTTTACCAGTGCAATATCTGCAGCAAGATCTTCCAGAAC
AGCAGCAACCTGAGCAGGCACGTGCGCTCGCATGGTGACAAGCTGTTTAAGTGCGAAGAGTGTGCAAAAT
TGTTCAGCCGCAAAGAGAGCCTAAAGCAGCACGTTTCCTACAAGCACAGCAGGAACGAGGTGGACGGCGA
GTACAGGTACCGCTGCGGCACTTGTGAGAAGACCTTCCGCATCGAGAGCGCGCTGGAGTTCCACAACTGC
AGGACAGGACTCATAGCACACCCTGGAGAGGGGGGGCCCGGCGGCAGTCGGCTTAGAGACCTACCAGATG
ACAAGACGTTCCAATGTGAGATGTGTTTCAGATTCTTCTCCACCAACAGCAACCTCTCCAAGCACAAGAA

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GAAGCACGGCGACAAGAAGTTTGCCTGTGAGGTCTGCAGCAAGATGTTCTACCGCAAGGACGTCATGCTG
GACCACCAGCGCCGGCACCTGGAAGGAGTGCGGCGAGTGAAGCGAGAGGACCTGGAGGCCGGTGGGGAGA
ACCTGGTCCGTTACAAGAAGGAGCCTTCCGGGTGCCCGGTGTGTGGCAAGGTGTTCTCCTGCCGGAGCAA
TATGAACAAGCACCTGCTCACCCACGGCGACAAGAAGTACACCTGCGAGATCTGCGGGCGCAAGTTCTTC
CGCGTGGATGTGCTCAGGGACCACATCCATGTCCACTTCAAGGACATCGCGTTGATGGATGACCACCAGA
GGGAAGAGTTTATCGGCAAGATCGGGATCTCCTCGGAAGAAAACGATGACAATTCTGACGAGAGCGCAGA
CTCGGAGCCTCACAAGTACAGCTGCAAGCGGTGCCAGCTCACCTTCGGCCGGGGGAAGGAGTACCTGAAG
CACATCATGGAGGTGCACAAGGAGAAGGGCTATGGCTGCAGCATCTGCAACCGGCGCTTTGCACTGAAGG
CCACCTACCACGCCCACATGGTCATCCACCGTGAAAACCTGCCGGACCCCAACGTGCAGAAGTACATCCA
CCCCTGCGAGATCTGCGGGCGGATCTTCAACAGCATCGGGAACCTGGAGCGCCACAAGCTCATCCACACA
GGTGTGAAGAGCCACGCCTGCGAGCAGTGTGGGAAGTCCTTTGCCAGGAAGGACATGCTGAAGGAGCACA
TGCGTGTGCACGACAATGTCCGCGAGTACCTGTGTGCCGAGTGTGGGAAAGGCATGAAGACCAAGCACGC
GCTGCGCCACCACATGAAGCTGCACAAGGGCATCAAGGAGTACGAGTGCAAGGAGTGCCACCGCAGGTTC
GCGCAGAAGGTCAACATGCTCAAGCACTGCAAGCGGCACACGGGGATTAAAGATTTCATGTGTGAATTGT
GTGGGAAGACATTCAGCGAGAGGAACACCATGGAGACCCACAAGCTCATCCACACAGTGGGCAAGCAGTG
GACGTGCTCCGTGTGCGACAAGAAGTACGTGACCGAGTACATGCTGCAGAAGCACGTTCAGCTCACACAC
GACAAGGTGGAGGCGCAGAGCTGCCAGCTGTGCGGGACCAAGGTGTCCACCAGGGCCTCCATGAGCCGAC
ACATGCGGCGCAAGCACCCCGAGGTGCTCGCGGTGAGGATCGATGACCTGGACCACCTCCCGGAGACCAC
CACCATCGACGCCTCCTCCATTGGCATCGTCCAGCCTGAGCTGACTCTGGAGCAGGAGGATTTGGCCGAA
GGGAAGCACGGGAAAGCTGCCAAGCGAAGTCACAAGAGAAAGCAGAAGCCAGAAGAGGAGGCGGGTGCTC
CGGTGCCCGAGGACGCCACCTTCAGCGAATACTCAGAGAAAGAGACGGAGTTCACAGGCAGTGTAGGCGA
CGAGACCAATTCCGCAGTACAGAGCATTCAGCAGGTAGTGGTGACCCTGGGTGACCCAAATGTGACCACA
CCATCGAGCTCAGTCGGCTTAACCAACATCACCGTGACCCCCATCACCACTGCGGCCGCGACTCAGTTTA
CCAATCTCCAGCCGGTGGCCGTGGGGCACCTTACCACCCCTGAACGCCAGTTACAGCTGGACAACTCAAT
CCTGACCGTGACCTTTGATACCGTCAGCGGCTCTGCCATGTTGCACAACCGCCAAAATGACGTCCAGATC
CACCCCCAGCCGGAAGCCTCGAACCCACAGTCTGTGGCCCATTTCATCAACCTGACGACCCTGGTCAACT
CCATCACGCCCCTGGGGAGCCAGCTTAGTGACCAGCACCCGCTCACGTGGCGGGCAGTGCCCCAGACTGA
CGTCTTGCCACCCTCGCAGCCGCAGGCACCCCCACAGCAGGCGGCCCAGCCCCAGGTGCAGGCGGAGCAG
CAGCAGCAGCAGATGTACAGCTACTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001282934

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).

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_001282934.1, NP_001269863.1

RefSeq Size:	6742 bp
RefSeq ORF:	3597 bp
Locus ID:	63977
UniProt ID:	P57071
Cytogenetics:	21q22.3
Gene Summary:	Sequence-specific DNA-binding transcriptional regulator. Plays a role as a molecular node in a transcriptional network regulating embryonic development and cell fate decision. Stimulates the expression of upstream key transcriptional activators and repressors of the Wnt/beta-catenin and MAPK/ERK pathways, respectively, that are essential for naive pluripotency and self-renewal maintenance of embryonic stem cells (ESCs). Specifically promotes SPRY1 and RSPO1 transcription activation through recognition and direct binding of a specific DNA sequence in their promoter regions. Involved in early embryo development (By similarity). Plays also a role in induced pluripotent stem cells (iPSCs) reprogramming (PubMed:28740264).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks seven alternate in-frame exons, contains an alternate in-frame exon, and differs in the 3' UTR, compared to variant 1. The encoded isoform (3) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.