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Product datasheet for MC223837

Prdm15 (NM_144789) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prdm15 (NM_144789) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prdm15
Synonyms:	C21orf83; E130018M06Rik; ORF62; Zfp298
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223837 representing NM_144789 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTGCCCACCTACTATCTGGGAAAAGGGTGGACAGGTGGGGGCCAGGTGGAGCCTGCGTGCTCCTGAGG TATCAGCAATGGCTGAAGATGGTAGTGAGGAGATCATGTTTATCTGGTGTGAAGACTGCAGCCAGTACCA TGACTCGGAGTGTCCTGAACTGGGACCTGTGGTCATGGTCAAGGACTCCTTTGTGCTGAGCAGGGCAAGG TCCTCCCTCCCCTCTAACCTGGAGATCAGGCGCCTGGATGACGGGGCTGAAGGCGTGTTTGCAGTGACCC AGCTAGTCAAGCGCACACAATTTGGTCCGTTTGAGTCCAGGAGAGTCGCCAAGTGGGAGAAAGAGTCGGC ATTTCCTCTGAAGGTATTTCAGAAGGACGGGCATCCTGTGTGCTTCGACACTTCCAATGAGGATGACTGC AACTGGATGATGCTAGTGCGACCAGCACTGGAGCCTGGGCACCAGAACCTGACAGCCTACCAACATGGCA GTGACGTGTATTTCACCACCTCAAAGGACATTCCTGCAGGCACTGAACTGCGTGTGTGGTATGCTGCCTT TTATGCCAAGAAGATGGACAAGCCCATGCTAAAGCAGGCCTGCTCCAGTGTTCAGGCTGCAGGCACCCCT GAGCCCAGTGTCTCTGTGGAACCTGAGCGTGGCCAATGGGTGTGTAAGGTGTGCTCCAACACCTTCCTGG AGCTTCAGCTCCTGAACGAGCATCTCTTGGGCCATCTGGAGCAAGCCAAAAGCCTCCCTGCAGGTGGCCA GCAGCATGAGGCAGCTTCTGAGAAGGAGCCTGATGCACCCAGGATGGAGCCTCCCACAGCAGCCGAGAGC AAGAGCATCCAGAGTGTCATGGTCACCAAAGAGCCAAAGAAAAAGCCTCGAAGAGGGAGGAAACCCAAAG CATCCAAGGTTGAGCAGCCTCTGGTCATTATCAAAGACAAGGAGCCTTCAGAGCATGTGGCAGAGATCAT AACTGAGATCCCCCCAGATGAGCCTGTGAGTGCAACACCAGATGAACGGATCATGGAGTTAGTCTTGGGG AAGCTGGCCGCCCCCACAAATGAAGCCAGCTCAGTGCCAAAGTTCCCACATCATCCAAGCAGCACCATTG CCCTCAAGAGGGGCTTGGTTCTGTCCAGCAGACATGGCGTCCGGCGGAAGCTCGTCCGTCAGCTGGGTGA GCATAAACGCATCCATCAGTGTGGCACCTGCAGCAAGGTCTTCCAGAACAGCAGCAACCTGAGCCGGCAC GTGCGCTCGCACGGTGAGTGCGCGCACGGGGACAAGCTGTTTAAATGTGAGGAATGTTCGAAACTGTTCA GCCGTAAGGAAAGTCTAAAGCAGCATGTTTCCTACAAGCACAGCCGGAATGAGGTGGACGGTGAGTACCG CTACCGCTGTGGCAGCTGTGGGAAGACATTCCGAATGGAGAGTGCACTGGAGTTCCACAACTGTAGGACA GATGACAAGACGTTCCAATGTGAGATGTGTTTCAGATTCTTCTCCACCAACAGCAACCTCTCTAAGCACA

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AGAAGAAACATGGGGACAAGAAGTTTGCCTGTGAGGTCTGCAGTAAGATGTTCTACCGCAAGGATGTTAT
GCTGGACCACCAGAGGCGACACTTGGATGGTGTGCGGCGGGTGAAGAGAGAAGACTTGGAGGCCAGCGGG
GAAAGCCTGGTTCGTTACAAGAAGGAACCTTCTGGATGCCCAGTGTGTGGCAAGGTGTTCTCCTGTCGGA
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CCATCCTGACTGTGACCTTTGATACTGTCAGTGGCTCCGCCATGTTGCACAACCGGCAAAATGATGTCCA
GATCCACCCACAGCCAGAAGCCACAAACCCTCAGTCAGTGGCCCACTTTATCAACCTTACCACACTGGTA
AACTCCATCACACCCTTGGGGAACCAACTCAGTGAGCAGCACCCACTCACCTGGCGAGCAGTGCCCCAGA
CAGATGTGCTGCAGCCGCCACAGGCCCCTGCAGCCCCGCAGCAGGCGGTGCAACCCCAGGTACAGAATGA
GCAGCAGCAGATGTACAGCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_144789

Insert Size: 3525 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).

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_144789.2, NP_659038.2
RefSeq Size:	6346 bp
RefSeq ORF:	3525 bp
Locus ID:	114604
UniProt ID:	E9Q8T2
Cytogenetics:	16 C4
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. Plays also a role in induced pluripotent stem cells (iPSCs) reprogramming. Involved in early embryo development.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) 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.