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Product datasheet for SC210133

PRDM8 (NM_001099403) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	PRDM8
Synonyms:	EPM10; KMT8D; PFM5
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001099403
Insert Size:	827 bp

Insert Sequence:

>SC210133 3’UTR clone of NM_001099403
The sequence shown below is from the reference sequence of NM_001099403. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCTCCAGGCACATGACCTCGCATAATTGACTCGGAAAGGACCCCAGCTTTCCACGCGCGCGCAAGCAC
AGTTAAGCCACCTGCAGGAATAAACACGCGAGAACATCCACCGCTTCCTTGCACCCCGAAACCCTGCAC
AAAGACACATACATTCACCGCCCCCCCGCCCCCCCAACGCGCACACACACGTCCTCTCCTCCCAGGAAC
CTCATTCAAATATTTACCCGGGACACACACCCCCCCCCACACACACACACAGACACACTCACACACAAG
AGCCAGGATGGTGGAGTTTTGATTGGGTGGGTTGTTTGAGGGGGTTTTCTTTTGAATGCACGCATTTTC
ACTTTCCCCAAAACAAAGGTACATTTTTTAAAATGTCATATATTGCAACATATTGATGCATTTGTCATA
CGTTTCTACTTAAATTATTAAGCACTTACGATTTAGATGTAATAATTATATGTAAGGGCAAAATTTATT
TTAGATATAAAGTAAAGGAGGAGGGTGAGATGCTTTCTGCATTTCTTGATGACAGTTTGTGTTCCTACA
AAAATAAACAAAATGAATAAAAAGGGATCACCATTCAATTTGAGTTTCCAGGGGGAAGTGCATGTATAA
TGAAATGATAATGGACTTCAATGAAGAATGTCATCAATTATGTACATATGTATTTTCTTTTAATACAAA
GTGTAATTTTGTGCCAGTGAAATGGAGTCTGAATAGTTATGTGTTTCTTTTATCCCTGGAAATATTTAT
TAAACTTTATAGTTTATCCGAGTATGTTGGATGCTTTGACAATAAATGACTATTTTCTTCAAAGCAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001099403.2
Summary:	This gene encodes a protein that belongs to a conserved family of histone methyltransferases that predominantly act as negative regulators of transcription. The encoded protein contains an N-terminal Su(var)3-9, Enhancer-of-zeste, and Trithorax (SET) domain and a double zinc-finger domain. Knockout of this gene in mouse results in mistargeting by neurons of the dorsal telencephalon, abnormal itch-like behavior, and impaired differentiation of rod bipolar cells. In humans, the protein has been shown to interact with the phosphatase laforin and the ubiquitin ligase malin, which regulate glycogen construction in the cytoplasm. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]
Locus ID:	56978
MW:	32