

## Product datasheet for **SC211941**

### **MBD1 (NM\_015844) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MBD1 (NM\_015844) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MBD1  
**Synonyms:** CXXC3; PCM1; RFT  
**ACCN:** NM\_015844  
**Insert Size:** 1035 bp  
**Insert Sequence:** >SC211941 3'UTR clone of NM\_015844  
The sequence shown below is from the reference sequence of NM\_015844. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTTAAAAAACCTGGAGCTAGAAAGCAGTAGACTGGAGGCTTCTACAGACTGTAGGATTCAAGTCTGCAG
GGCAGGCACTCGGGAAGGGAAGATGGATGTAAAGTGTGGGAGACCGAGGACACAGTGGAGCCCACGAGC
ACGAGCTGGAACCCACGAGGATGGCCTGGAACCCATGTCAGTCTCTACACCTCCAGCTTCGATGATG
TGGGTGTCCTGCAGAAGAAGCTGGTGCCCTTCTCACAGAGTTAAATATGCATCTGGCCCAGGAATTAG
AGAAGCTGAAAGGATGATCCTGGGAAGGTGGAGCAGCTGCAGGCCTGGCTGCAGGCCTGACTACTGCC
CACACCAACGAGGTGATCTAGCAGATACATGGCAACGTGTGAACTGCAACAACGCCTGGTGCCCCAGCA
CCAACCTTCCAAGTGTA AAAACAATGTGCTGCTGCTTCACTTCCGCCCTCCGGTTATCAAGCAAAATGT
CTTTGTGGCCCATCTTACTGGAAGAGAGTTCGGGAAACATAGCCTCACCAAGGTGACACATTACAAA
GCCACCCTACCATGAATCCGCTCCCAAGGTCTCACTGCTCACCTGAGGATAACTCAATATAACTATGT
GGCTGAAAATGCAAAGCTGAAGACCATGGATTTTCATGGTGATTCCAGCAAGTACAGAGATTCTATGAAG
CCCACCCAGAAAAAATTGCTGGTCTGGCTATTTTTGTGTCATTTATTCAAGTATTGAGAACCTGGCC
TGTGGTAGGCACTGTA ACTTAATACTAGGATACAGAAATGCAAAAGATACGGCCCATGCAATTTTATTAA
ATGCATCAATATGTATTACAAATGGTGAATGGATTTCCAACCTTTATCATGGAATTTAATGCATGAAATA
TAGAATTCAGAAAATTGTTGGGAGGACAGCCCTTTTGTGAACCTTGTGGGGCACAGTAGGAATTGGA
AATAATTTAGTTTCTATCTAAGCTGTTCTATTTTAAATTTTAAATTTTATTGTCCCCTTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_015844.3</a>
<b>Summary:</b>	The protein encoded by this gene is a member of a family of nuclear proteins related by the presence of a methyl-CpG binding domain (MBD). These proteins are capable of binding specifically to methylated DNA, and some members can also repress transcription from methylated gene promoters. This protein contains multiple domains: MBD at the N-terminus that functions both in binding to methylated DNA and in protein interactions; several CXXC-type zinc finger domains that mediate binding to non-methylated CpG dinucleotides; transcriptional repression domain (TRD) at the C-terminus that is involved in transcription repression and in protein interactions. Numerous alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Feb 2011]
<b>Locus ID:</b>	4152
<b>MW:</b>	38.3