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Product datasheet for SC202568

MBD2 (NM_015832) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MBD2 (NM_015832) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MBD2
Synonyms:	DMTase; NY-CO-41
ACCN:	NM_015832
Insert Size:	255 bp
Insert Sequence:	>SC202568 3'UTR clone of NM_015832 The sequence shown below is from the reference sequence of NM_015832. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCCAGGCAGAACCAATCCTTTCCTCCATAATGCTTCCCTGGTGCTTTGCCATTGTATTTGTGACTTGTT TGTCTGCTTCAGCTAGACTGTGAGCTCCATGAGGGCAGGGACCATGTCTTTTTTTGCTTTTGCACACGG TAGGTACTTAATATTGCTTTATGTTTATTTGATTTACCATCCACCTCATTCTAGAAGTGTATAGTGGTA ATAAATGTTTATTAAATAAATAAATTATACCGTACATTATTTTGGAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
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.
RefSeq:	NM_015832.6

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Summary: DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 comprise a family of nuclear proteins related by the presence in each of a methyl-CpG binding domain (MBD). Each of these proteins, with the exception of MBD3, is capable of binding specifically to methylated DNA. MECP2, MBD1 and MBD2 can also repress transcription from methylated gene promoters. The protein encoded by this gene may function as a mediator of the biological consequences of the methylation signal. It is also reported that the this protein functions as a demethylase to activate transcription, as DNA methylation causes gene silencing. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2011]

Locus ID: 8932

MW: 9.9