

Product datasheet for **RC234548**

MBD1 (NM_001204139) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MBD1 (NM_001204139) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MBD1
Synonyms:	CXXC3; PCM1; RFT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC234548 representing NM_001204139
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCTGAGGACTGGCTGGACTGCCCGCCCTGGCCCTGGCTGGAAGCGCCGCAAGTCTTTCGAAGT
 CAGGGGCCACCTGTGGAGCTCAGACACCTATTACCAGAGCCCCACAGGAGACAGGATCCGAAGCAAAGT
 TGAGTGACTCGATACCTGGGCCCTGCGTGTGATCTCACCTCTTCGACTTCAAACAAGGCATCTTGTGC
 TATCCAGCCCCAAGGCCATCCCGTGGCGGTTGCCAGCAAGAAGCGAAAGAAGCCTTCAAGGCCAGCCA
 AGACTCGAAACGTCAGGTTGGACCCAGAGTGGTGGAGTTCAGGAAGGAGGCCCGAGGGATGAGACCAA
 GGCTGACACTGACACAGCCCCAGCTTCATTCCCTGCTCCTGGGTGCTGTGAGAACTGTGGAATCAGCTTC
 TCAGGGGATGGCACCCAAAGGCAGCGGCTCAAACGTTGTCAAAGACTGTCGAGCACAGAGAATTGCCCT
 TCAACCGGAACAGAGAATGTTAAGCGTGTGGGCTGTGGGGAGTGTGCAGCCTGCCAGGTAACAGAAGA
 CTGTGGGGCTGCTCCACTGCCTCCTGCAGCTGCCCCATGATGTGGCATCGGGGCTGTTCTGCAAGTGT
 GAACGGAGACGCTGCCTCCGATTGTGGAAGGAGCCGAGGGTGTGGAGTATGCCGGGGCTGTGACACCC
 AAGAGGATTGTGGCCATTGCCCATCTGCCTTCGCCCTCCCCGCCCTGGTCTCAGGCGCCAGTGGAAATG
 TGTCCAGCGACGTTGCCACGGGTAACATGCCCGCCGCAAGGGAGGCTGTGACTCCAAGATGGCTGCC
 AGGCGGCGCCCCGGAGCCAGCCACTGCCTCCACCACCCCATCACAGTCCCAGAGCCACAGAGCCGC
 ACCCCAGAGCCCTGGCCCCCTCGCCACCTGCCGAGTTCATCTATTACTGTGTAGACGAGGACGAGCTACA
 GCCCTACACGAACCGCCGCGACAACCGCAAGTGCAGGGCTGTGCAGCCTGCCTACGGCGGATGGACTGT
 GGCCGCTGCGACTTCTGCTGCGACAAGCCAAATTCGGGGGACGCAACCAGAAGCCAGAAGTGTGCTT
 GCGCCAATGCCCTGCAGTTGCCATGAAGCGGCTGCTGCCAGTGTCTGGTCAGAGTCTGAGGATGGGGC
 AGGATCGCCCCACCTTACCGTCTGCGAAAGAGGCCAGCTCTGCCCGACGGCACCATCTTGGCCCTACC
 TTGAAGCCACCTTGCTACACGCACAGCCAAACCAGACCATAACCAGGCTCCAACGAAGCAGGAAGCAG
 GTGGTGGCTTTGTGCTGCCCGCCCTGGCACTGACCTTGTGTTTTACGGGAAGGCGCAAGCAGTCTGT
 GCAGGTGCCGGGCCCTGTTGCAGCTTCCACAGAAGCCCTGTTGCAGGAGGCCAGTGTCTGGCCTGAGT
 TGGGTTGTGGCCTTACCCAGGTGAAGCAAGAGAAGGCGGATACCAGGACGAGTGGACACCAGGCACAG
 CTGTCTGACTTCTCCCGTATTGGTGCCTGGCTGCCCTAGCAAGGACGAGTACCCAGGCCTGCCTTCTGT
 GAAGCAAGAGCCACTGACCCAGAGGAGGACAAGGAGGAGAACAAGGATGATTCTGCCTCCAATTTGGCC
 CCAGAGGAAGAGGAGGAGGGGCTGGCACACCCGTGATCAGGAGATTTTCAGCCTGGGTGGAACCCGCT
 TCCGAGATACAGCAGTCTGGTTGCCAAGGTCAAAGACCTAAAAAACCTGGAGCTAGAAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234548 representing NM_001204139
 Red=Cloning site Green=Tags(s)

MAEDWLDPCALGPGWKREVFRRKSGATCGRSDTYYSPTGDRIRSKVELTRYLGPACDLTLDFKQGILC
 YPAPKAHPVAVASKRKRKPSRPAKTRKRQVGPQSGEVRKEAPRDETKADTDTAPASFPAPGCCENCISF
 SGDGTQRQLKTLCKDCRAQRIAFNREQRMFKRVGCGEACQVTEDCGACSTCLLQLPHDVASGLFCKC
 ERRRCLRIVERSRGCVCRCQQTQEDCGHCPICLRPPRPLRRQWKCVQRRCLRGKHARRKGGCDSKMAA
 RRRPGAQLPPPPPSQSPEPTEPHPRALAPSPPAEFIYYCVDEDELQPYTNRRQRKCGACAALRRMDC
 GRCDFCCDKPKFGGSNQKRQKCRWRQCLQFAMKRLLPSVWSESEDGAGSPPPYRRRKRPSARRHHLGPT
 LKPTLATRTAQPDHTQAPTKQEAGGGFVLPPTGDLVFLREGASSPVQVPGPVAASTEALLQEAQCSGLS
 WVVALPQVKQEKADTQDEWTPGTAVLTSPLVPGCPSKAVDPGLPSVKQEPDPDEEDKEENKDDSAKLA
 PEEEAAGGAGTPVITEIFSLGGTRFRDTAVWLPRSKDLKKPGARKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

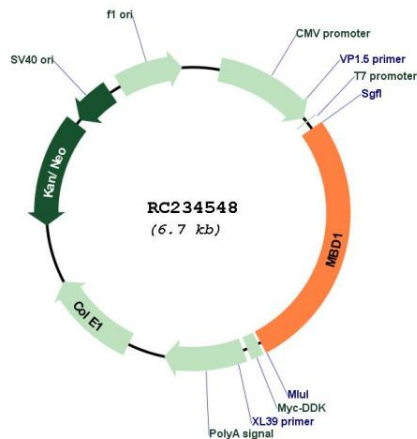
Chromatograms:

https://cdn.origene.com/chromatograms/mk8041_f11.zip

UniProt ID: [Q9UIS9](#)
Cytogenetics: 18q21.1
Protein Families: Druggable Genome, Transcription Factors
MW: 66.6 kDa

Gene Summary: 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]

Product images:



Circular map for RC234548