

## Product datasheet for **MC206623**

### **Mbd4 (BC024812) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mbd4 (BC024812) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mbd4
Synonyms:	Med1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC024812  
 GTTGATTGACTTTACGTCGGTGTGGATTTCGGCTCAGTGGTTGAGTTGTGTTTTACTCCACCTCTCG  
 GCCTGGAGCTGCAGCTGCGCCCCAGTGGACCAAAGCAGCAGGGATGGAGAGCCCCAAACCTTGGGGACAAC  
 AGAGTCCGTGGAGAGAGCCTAGTTCAGACCCGCCTTGGGATCGCTGCAAGGAAGATATTGCTGTTGGAC  
 TGGGAGGAGTGGGAGAAGATGGAAAGGACCTGGTGATAAGCAGTGAGCGCAGCTCCCTTCCAAGAGCC  
 CACTGCTTCTACTCTGTCTAGTACTACAGCGACAGAAGGCCACAAGCCTGTCCCCTGGATGGGAAAGA  
 GTTGGAAGCAAAGTTATCTGGGAAAAGTGCAGGAAAATTTGATGTATACTTTATCAGCCCAAGGAT  
 TGAAGTTCAGATCAAACGTTCACTTGGTAATTATCTTCTCAAAAATGGGGAGACTTTTCTTAAGCCTGA  
 AGATTTTGATTTTACTGTACTGCCGAAAGGAGCATCAATCCCGTTATAAACACCAAAGTTTGGCAGCT  
 CTGACTTCCCTGCAGCCAAATGAACTGACGTTTCAAAGCAGAACCTCAAGACACGAAGCAAGTGGAAAA  
 CAGATGTGTTGCCTCTGCCAGTGGTACTTCAAGTCCGAGAAAAGCAGCGGACTGTCTAACTCTAACTC  
 GGCTTGTGTTGCTATTGAGAGAACATAGGGACATTCAGGATGTTGACTCTGAGAAGAGGAGAAAAGTCCAAA  
 AGAAAGGTGACTGTTTTGAAAGGAACTGCAAGTCAGAAAACCAACAAAAGTGCAGGAAGAGTCTCTTAG  
 AGTCTACTCAAAGAAACAGAAAAAGAGCATCTGTGGTTCAGAAGTGGGTGCTGATCGCGAGCTGGTGCC  
 ACAGGAAAGTCAACTCAACAGAACCTCTGCCCTGCAGATGCCTGTGCAAGGGAGACTGTTGGCCTGGCT  
 GGGGAAGAAAAATCACCAGCCAGGACTGGATCTTTGTTTCATACAAGTAACTTCTGGCACCACAAACA  
 AATTCCATTCAACTGAAGCAGCAGGTGAAGCAAATCGTGAGCAGACTTTTTTAGAATCAGAGGAAATCAG  
 ATCGAAGGGAGACAGAAAGGGGGAGGCACATTTGCATACCGGTGTTTTACAGGATGGCTCTGAAATGCC  
 AGCTGCTCACAAGCCAAGAAACTTTACTTCTGAGACATTTCAAGAAGCAGCATCCCACGGACACAAG  
 TAGAAAAAGGAAAAACAAGCCTGTATTTTTCCAGCAAGTACAACAAAAGAGCTCTTAGCCCCCAAGACG  
 CAAATCCTTCAAGAAATGGACCCCTCCTCGGTACCTTTAATCTTGTTCAGAAATACTTTCCATGAC  
 CCATGGAAGCTCCTCATCGCGACTATATTTCTCAATCGGACCTCAGGCAAGATGGCCATCCCTGTGCTGT  
 GGGAGTTTCTAGAGAAGTACCCTTCAGTGAAGTGGCCCGAGCTGCCGACTGGAGGAGCTGTCCGAGCT  
 TCTCAAGCCTCTTGGTCTCTACGATCTCCGTGCAAAAACCAATTATCAAGTCTCAGATGAATATCTGACA  
 AAGCAGTGGAGGTATCCGATTGAGCTTCAATGGCATTGGTAAATATGGCAACGACTCTACCGGATCTTTT  
 GTGTCAATGAATGGAAGCAGGTGCACCCTGAAGACCACAAGTAAATAAATACCATGACTGGCTTTGGGA  
 GAATCATGAAAAATTAAGTCTATCTTGAAGCTGCCTGTTTGAAGTTTCCCATGCGTGCCTTGTGCTTCG  
 GTTTCTAAGGGCCCTGTGGTGTGCAGTGAGCTCCCTTCCCGGCACGTGGATTTTTTTTTTTCAGTTTGTTA  
 GAAGCCAGTGTATGTCTTAAGCCTCTGCCAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** EcoRI-NotI

**ACCN:** BC024812

**Insert Size:** 1665 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: [BC024812](#), [AAH24812](#)

RefSeq Size: 1935 bp

RefSeq ORF: 1665 bp

Locus ID: 17193

Cytogenetics: 6 53.72 cM

**Gene Summary:** Mismatch-specific DNA N-glycosylase involved in DNA repair. Has thymine glycosylase activity and is specific for G:T mismatches within methylated and unmethylated CpG sites. Can also remove uracil or 5-fluorouracil in G:U mismatches. Has no lyase activity. Was first identified as methyl-CpG-binding protein.[UniProtKB/Swiss-Prot Function]