

Product datasheet for **RR210418**

Mbd1 (NM_001011924) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mbd1 (NM_001011924) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mbd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210418 representing NM_001011924
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAGGCCTGGCAGGACTGCCAGCCTGGGCCCTGGCTGGAACGCCGAGAGGCCTTTCGAAAGT
 CAGGGCCCTCGTGTGGACGCTCAGACATCTATTATCGGAGCCCCACAGGAGAAAAGATCCGAAGCAAAT
 TGAGTGAAGTACGATACCTGGGCCCTGCATGCGATCTTACCCTGTTTGACTTCAGACAAGGCATCTTATGC
 CACCCAGTCCCAAGACCCATCCCTTGGCTGTCCCGAGCAAGAAGAAAAGAAAGACTTCTAAACCAGCCA
 AGGCTAAGAAACAGCAGGTTGGGCCACAGAGAAGTGAAGTGAAGAAAGAGACTCCACGGGAAGAAATAA
 GGTGCTCCTGCCACAGCTTTATTACCTGTGACTGCGTCTGCGCCTGCACCTGTGCTGTGCTGTGCT
 GCACCTGCGCCTGCACCTGCACCTTTGTGCTGTGAGAATTGTGGAATCCACCTGCATGGGATGGTATCA
 AAAGGGAGAGACGCAGGACATTGTCAAAGACTGCCGAGCACAGAGAATTGCCTTCAACCGAGAACAGCG
 AATGTTTAAAGCGAGTTGGCTGTGGGGAGTGCACAGCTTGCTGGTGAAGAAGACTGCGGGGTGTGCTCC
 ATCTGCTGCCTGCAGCTGCCAACGATGTGGCCTCAGGGCTCTTCTGCAAGTGTGAGCAGAGACGCTGCC
 TGGCGATTGTGGAGAAGGTAATATGATCATAGTAAGAGAGGCCCGAGGGTAGCTTCTCGACGTCACCTC
 CCGAGCCCGCCACTTCCACACGCTGCGTCACAGCATCCAGAGCCCACAGAAGTGCACATCAGCGAC
 CAAACGCCACAGCACCTGCTGAGTTTCTGCTATGACTGTGTAGAGGAGGACGAGCTAAAGCGGCTGCTGC
 CAGTATTGGGCCAGGGTCTGAGGAGGAAGCAAGATTGCTTCCACATCATACCCACAAAAGAGGCTGCTG
 TTCTACTCGACAGCTGCAACTGAGCTCTCCCTTAAAGGCTCCTTTGGCTGTGGTCAACCCACCGGGC
 CCTGTCCAAGATTCAAGGAAGCGCAAGCAGGTAGTGGCTTTGTACTGCCCAACCTGCACAGACACTTG
 TGTATTTACAAGAGGGTACCAGCAGTCTCATGCAGGTGCCTGGCCCTGCTGCAGCTGCACAGAAAACCC
 AGCACAGGAGACCCAGGGCTCTGCCACAGTTGGGTTGTGGCCTTGCCCAAGTGAAGCAAGAGAAGGCG
 GATGCCCCAGAGGAGTGGACAGCAGTCAACAACCTTCTGACTTCTTCCACGGTGCAGCCTGGCTTCTTA
 GCAAGGCGTCAAGCCTGGACCCTCCACCTGTGAAACGAGAGCCCCCTGGCCCTGAGGAGGATGGAGAAGA
 GAACAAAGAAGATGATGTCTCTGAATCAGCTCCAGCAGAAGAGATAGGAGGGATTGGACCCCAAGTATC
 ACGGAGATTTTCAGCCTGGGTGGAACCCGCTCCGGGATGCAGAAGCCTGGTTGCCAAGGCTACATAAAC
 TGTTAGCAGTAAATGAAAATGAGTATTTTACTGAGCTGCAGTTGAAGAAGAAAATATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210418 representing NM_001011924
 Red=Cloning site Green=Tags(s)

MAEAWQDCPALGPGWKRREAFRKSASGRSDIYYRSPTGEKIRSKIELTRYLGPACDLTLFDFRQGILC
 HPVPKTHPLAVPSKSKKKKTSKPAKAKKQVGPQRSEVRKETPREGNKVAPATALLPVTASAPVPVPVS
 APAPAPAPLCCENCGIHLSDWGIKRRRRTLCKDCRAQRIAFNREQRMFKRVGCGECTACLVKEDCGVCS
 ICCLQLPNDVASGLFCKCEQRRCLRIVEKGYDHSKRGRVSRRHRSRAPPLPPHAASQHPPELHISD
 QTPTAPAEFVYDCVEDELKRLLPISIGPSEEEARLLPHHHTQKRSASTRQLQLSSPLKAPLAVVTPPG
 PVQDSGKRQAGSGFVLPQPDIDLVLQEGTSSLMQVPGPAAASTENPAQETQGSAPGWVVALPQVKQEKA
 DAPEEWTAVTTFLTSSTVQPGFLSKASGLDPPPVKREPPGPEEDGEENKEDDVSESAPEEIGGIPTVI
 TEIFSLGGTRLRDAEAWLPRLHKLLAVNENEYFTELQLKEEIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

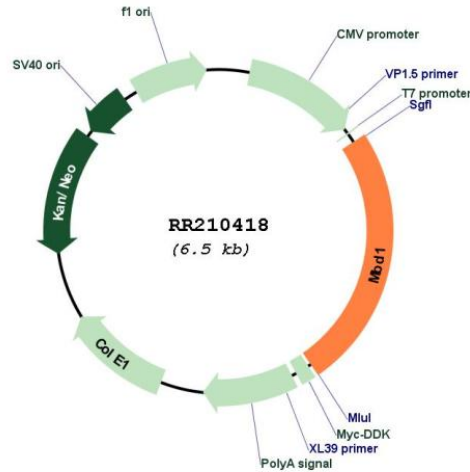
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001011924

ORF Size: 1599 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001011924.1](#), [NP_001011924.1](#)

RefSeq Size: 2491 bp

RefSeq ORF: 1602 bp

Locus ID: 291439

Cytogenetics: 18q12.2

MW: 58.2 kDa