

## Product datasheet for RR211397

### Mbd2 (NM\_001115025) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mbd2 (NM_001115025) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mbd2
Synonyms:	MGC188552
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR211397 representing NM_001115025 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCGCGCACCCGGGGGAGGCCGCTGCTGCCCGGAGCAGGAGGAGGGGAGAGCGCGGGCGGGCGCA  
GCGGGCGTGGCGGCGACTCCGCCATAGAGCAGGGGGGCCAGGGCAGCGCGCTCGTCCGTCGCCGGT  
CGGCGTGCAGGGAAGGCGCTCGGGCGCGGCCGTTGGCGGGGCGGTGGAAGCAGGCGGCCCGGGC  
GGCGCGTCTGTGGCGTGGCCGTGGCCGTGGCCGGGTGGGGCGTGGCCGGGCGCGGGCGGCTGCGGCGT  
GCGGCCGTCAGAGTGGCGTACGCGCCTTGGCGGCGACGGCGCGCGGGCGGCTGCGGCGTCCGCAG  
CAGTGGCGGCGTCCGCCCGCGGGGATCCTGTCCCTTCCCGTCCGGGAGCTCGGGACCGGGCCAGG  
GGACCCCGGGCCACGGAGAGCGGAAGAGGATGGACTGCCCGGCCCTCCCCCGGATGGAAGAAGGAGG  
AAGTGATCCGAAAATCAGGGCTCAGTGCTGGCAAGAGCGATGTCTACTACTTCAGTCCAAGTGGTAA  
GTTTCAAGTAACACAGCTGGCGAGATACCTGGGAAATGCTGTTGACCTTAGCAGTTTTGACTTCAGA  
ACCGGCAAGATGATGCCTAGTAAATTACAGAAGAACAACAGAGGCTGCGGAACGATCCCCTCAATCAGA  
ACAAGGGTAAACCAGACCTGAACACAACATTGCCAATTAGACAGACTGCATCCATTTTCAAGCAACAGT  
CACCAAAGTCAACAACCACCCGAACAATAAAGTGAAGTCAAGCCCTCAGCGGATGAATGAACAACACGT  
CAGCTTTTCTGGGAGAAGAGGCTACAAGGACTTAGCGCATCAGATGTAACAGAACAATTATAAAAAACA  
TGGAGTACCTAAAGTCTTCAAGGAGTCGGCCAGGTAGTAATGATGAGACCTTCTGTCTGCCGTGGC  
CAGTGCTTTCATACAAGCTCTGACCCATCACCGACAGGTCTCTGCGGCCGTGAAAAAGAACCCTGCT  
GTTTGGCTAACACATCTCAACCCTCTGCAAAGCTTTCATTGTTACAGATGATGACATTAGGAAACAGG  
AAGAGCGAGTCCAACAAGTCCGAAAGAACTAGAGGAAGCACTCATGGCGGACATCCTGTCCCGGCCGT  
GGACACGGAGGAAGTAGACATTGACATGGACAGTGGAGATGAGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR211397 representing NM\_001115025  
 Red=Cloning site Green=Tags(s)

MRAHPGGGRCCPEQEEGESAAAGSGAGGDSAIEQGGQGSALAPSPVSGVRREGARGGGRGRGRWKQAARG  
 GGVCGRGRGRGRGRGRGRGRGRGRGRPQSGVSLGGDGGAGGCGVSSGGVAPRRDPVFPFSGSSGPGPR  
 GPRATESGKRMDCPALPPGWKKEEVIRKSGLSAGKSDVYFSPSGKKFRSKPQLARYLGNVDLSSFDFR  
 TGKMMPSKLQKNKQRLRNDPLNQNKGKPDLNTTLPTRQASIFKQPVTKVTNHPNNKVKSDPQRMNEQPR  
 QLFWEKRLQGLSASDVTEQIIKTMELPKGLQGVGPGSNDETLLSAVASALHTSSAPITGQVSAAVEKNPA  
 VWLNTSQPLCKAFIVTDDDIRKQERVQVRKKLEEALMADILSRAVDTEEVDIDMSGDEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001115025

**ORF Size:** 1236 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\\_001115025.1](#), [NP\\_001108497.1](#)

**RefSeq Size:** 1665 bp

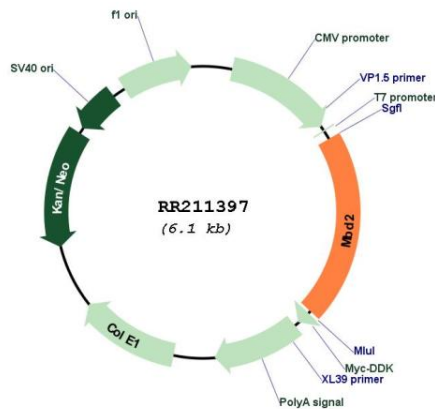
**RefSeq ORF:** 1239 bp

**Locus ID:** 680172

**Cytogenetics:** 18q12.1

**MW:** 43.6 kDa

**Product images:**



Circular map for RR211397