

## Product datasheet for **MR206051**

### **Bbox1 (NM\_130452) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bbox1 (NM_130452) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bbox1
Synonyms:	A1874739
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206051 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCACTGTGCCATCCTAAAGGCAGAAGCAGTGGATGGGGCTCATTTGATGCAGATCTTTTGGCAGCATG  
GGGCAGAGTCCCTCTACCCAGCAGTATGGCTGAGAGACAAGTGTGAGTTCAGACTGCTACCTACATTC  
TGCAAAGCTCGAAACTTCTCCTGGAAGCTCTTGATGTAACATTAGAATCGATGATTTGACATTTGAC  
CGAAAAAGGTTTATATCACATGGCCCAATGACCATTACAGTGAATTCGAAGCTAACTGGCTGAAGAAA  
GATGCTTTTCTCAACAGGCCAGAGCAAGGCTCCAAGGAGAATTGTTTTACCAGAATGTCAGTACTGGGG  
CTCAGAACTCCAGCTGCCAACTCTGAATTTTGAAGATGTGTTAAATGATGATGACCATGCATACAATGG  
CTTTCCAGTCTCAAGAAAGTAGGCATTGTGAGACTCACCGGAGCAGCTGACAAACGTGGTGAATCATAA  
AACTTGGGAAAAGAATTGGCTTCTGTACCTCACATTTTATGGACACACTTGGCAAGTGCAGGACAAGAT  
TGATGCCAACAAATGTGGCTTATACAAGTGGGAAGCTCAGCTTCCACACTGACTACCCAGCCCTCCACCAT  
CCACCTGGGGTTCAGCTTCTGCATTGTATCAAGCAAACAGTACAGGAGGTGACTCTGAAATTGTGGATG  
GGTTTAACTGTGCCAAAAGCTCAAGGAGAAGAACCCTCAGGCTTCCATATTCTCTCTCGACCTTTGT  
GGATTTTACAGACATTGGAGTGGATTACTGTGATTTCTGTGCAATCTAAACACAAGATTATAGAGTTG  
GATGATAAAGGCCAAGTGGTTCGCGTCAACTTCAACAATGCAACCAGAGATACAGTCTTTGATGTCCCA  
TCGAAAGAGTTTACGCCTTCTACGCTGCTGAAAGAGTTTGTGACCTCATGAACAGCAAAGAATACAA  
GTATACCTTCAAGATGAATCCAGGTGATGTGATTACCTTCGACAAGTGGCGCTTGCTTCATGGACGTCGT  
AGCTATGAGGCGGGAAGTGAATATCCCGCATCTGGAAGGAGCGTATGCTGACTGGGATGTAGTGATGT  
CAAGGCTTCGTATTCTGAGACAGAGAGTACGAATGGGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206051 protein sequence  
Red=Cloning site Green=Tags(s)

MHCAILKAEAVDGAHLMQIFWHDGAESLYPAVWLRDNCQCSDCYLHSAKARKLLLEALDVNIRIDDLTFD  
 RKKVYITWPNHYSEFEANWLKKRCFSQQARARLQGELFLPECQYWGSELQLPTLNFEDVLNDDHAYKW  
 LSSLKKVGIVRLTGAADKRGEI I K L G K R I G F L Y L T F Y G H T W Q V Q D K I D A N N V A Y T T G K L S F H T D Y P A L H H  
 P P G V Q L L H C I K Q T V T G D S E I V D G F N V C Q K L K E K N P Q A F H I L S S T F V D F T D I G V D Y C D F S V Q S K H K I I E L  
 D D K G Q V V R V N F N N A T R D T V F D V P I E R V Q P F Y A A L K E F V D L M N S K E Y K Y T F K M N P G D V I T F D N W R L L H G R R  
 S Y E A G T E I S R H L E G A Y A D W D V V M S R L R I L R Q R V T N G N

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_130452

**ORF Size:** 1164 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\\_130452.1](#), [NP\\_569719.1](#)

**RefSeq Size:** 1642 bp

**RefSeq ORF:** 1164 bp

**Locus ID:** 170442

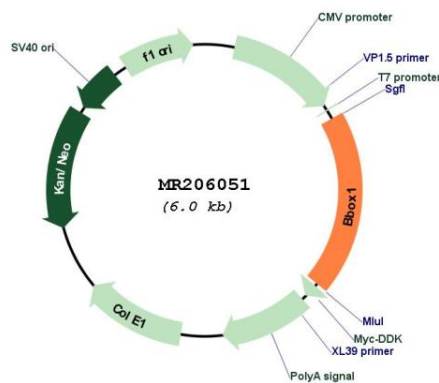
**UniProt ID:** [Q924Y0](#)

**Cytogenetics:** 2 E3

**MW:** 44.7 kDa

**Gene Summary:** Catalyzes the formation of L-carnitine from gamma-butyrobetaine.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR206051