

Product datasheet for **RR217359**

Mib2 (NM_001005901) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mib2 (NM_001005901) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mib2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR217359 representing NM_001005901
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCTGGACCCCATGCAGGTGTGCAGGTGGGCATGCGTGTGGTACGCGGAATGGACTGGAATGGG
 GCCAGCAGGATGGAGGTGAGGGCGGTGTGGGCACCGTGGTGGAGCTTGGCCGCCATGGCAGCCCCTCGAC
 CCCCAGCCGTACAGTTGTCGTTCACTGGGACCAGGGCACACGTACCAACTATCGAGCTGGCTACCAAGGT
 GCCCATGACCTGTTGCTCTATGACAACGCCAAATCGGTATCCGCCATCCCAACATCATCTGTGACTGTT
 GCAAGAAACATGGGCTTCGTGGCATGCGTTGGAAGTGCCGTGTCTGCTTTGACTATGATCTCTGCACGCA
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 GGCTGGAACCCTAGGATGGCAGAGATGGGCACCGTGCACCGCATCACAGACCGTGGGGACGTGCGTGTGC
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 GCTGCGATGTGAATGTGCGAAACAGGAAGCTTCAATCCCACTGCATCTGGCTGTGCAGCAGGCCACCT
 GGGGCTCGTACCGCTGCTGGTGGACGCTGGTGCATGTCAACACTGAGGATGAGGAGGGTGCACAGCC
 CTGCATGTGGCACTACAGCGTATCAGCTGCTGCCCTGGTGGCTGACAGGGCTGGGGGAGACCCAGGGC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217359 representing NM_001005901
 Red=Cloning site Green=Tags(s)

MDLDPHAGVQVGMRVVRGMDWKWGQQDGGEGGVTVELGRHGSPSTPDRTVVVQWDQGTRTNYRAGYQG
 AHDLLL YDNAQIGIRHPNII CDCKKHLRGMRWKCRVCFDYDLCTQCYMHNKHLTHAFERYETSHSRP
 VTLSPRQGLPRIPLRGIFQGAKVVRGPDWEWSQDGGEGKTRVVDIRGWDVETGRSVASVTWADGTTNV
 YRVGHKGKVDLKCVEAAGGFYYKEHL PKL GKP AEL QRRVSADGQPFQRGDKVKCLLDTDVLRDMQEGHG
 GWNPRMAEMGTVHRITDRGDVVRVQFNHETRWTFHPGAL TKHNSFWVGDVVRVIDDLDTVKRLQAGHGEWT
 DDMAPALGRVGKVVKVF GDGNLRVAVGGQRWTFSPA CLVACRPEEDANL GVAERARENKSSLSVALDKLR
 TQKSDPEHPGRLVVEAALGNVARALD LRRHPEQVDTKNQGR TALQVAAYL GQVELVRLLLQARASVDLL
 DEEGNTALHYTAMGNQPEATRLLL SAGCGVDAQNGTRSTALHVAVQRGFLEVVKILCEHGCDVNLPAHA
 DTPLHSAISAGAGASSIVEVLTEVPGIDVTATNSQGFTLLHHSALKGHVLAVRKILARARQLVDAKKEDG
 FTALHLAALNNHREVAQVLI REGRCDVNVRNRLQSPLHLAVQQAHLGLVPLLVDAGCNVNTDEEGDTA
 LHVALQRHQLLPLVADRAGDGPGLQLL SRLQASGLPGSTELTVGAACVACFLALEGADVSYANHRGRSPL
 DLATEGRV LKALQGAQFRFRERQAGGGGVP PPRHVLSTPNTVTNLHVS GTAGPEAAECLVCS ELLV
 LFSQCQHR TVCEECA RRMKKCIR CQVIIISKKL RPDGSEV VNAIQV PGPQRQLVEELQSR YRQMEERITCP
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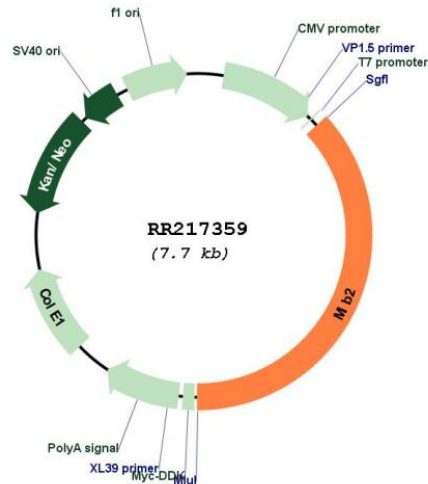
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001005901

ORF Size: 2859 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_001005901.2](#), [NP_001005901.2](#)

RefSeq Size: 3799 bp

RefSeq ORF: 2862 bp

Locus ID: 474147

Cytogenetics: 5q36

MW: 103.9 kDa