

Product datasheet for **RN217359**

Mib2 (NM_001005901) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF:

>RN217359 representing NM_001005901

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACCTGGACCCCATGCAGGTGTGCAGGTGGGCATGCGTGTGGTACGCGGAATGGACTGGAATGGG
 GCCAGCAGGATGGAGGTGAGGGCGGTGTGGGCACCGTGGTGGAGCTTGGCCGCCATGGCAGCCCTCGAC
 CCCCAGCCGTACAGTTGTCGTTCACTGGGACCAGGGCACACGTACCAACTATCGAGCTGGCTACCAAGGT
 GCCCATGACCTGTTGCTCTATGACAACGCCAAATCGGTATCCGCCATCCCAACATCATCTGTGACTGTT
 GCAAGAAACATGGGCTTCGTGGCATGCGTTGGAAGTGCCGTGTCTGCTTTGACTATGATCTCTGCACGCA
 GTGCTACATGCACAACAAACATGACCTTACCCATGCCTTCGAGCGCTATGAGACATCTACTCTCGCCC
 GTTACGCTGAGTCCCGACAGGGCTCCCTCGAATCCCACTGAGGGGCATCTTCAAGGAGCAAAAGTGG
 TACGAGCCCTGACTGGGAATGGGGCTCACAAGATGGAGGGGAAGCAAGACAGGCCGTGTGGTGGACAT
 CCGTGGCTGGGATGTGGAGACAGGCCAAGTGTGGCCAGTGTGACATGGGCAGATGGAACCACAAATGTG
 TACCGAGTGGGCCACAAAGGCAAGGTGGATCTCAAATGTGTTGGTGGAGCAGCTGGCGGCTTTACTACA
 AGGAGCACCTCCCGAAGCTTGGCAAGCCAGCAGAGCTACAGCGCAGGGTGTGCTGATGGCCAGCCCTT
 CCAGCGTGGGGACAAGGTCAAGTGTCTGCTGGACACAGATGTCCTAAGGGACATGCAAGAAGGCCATGGT
 GGCTGGAACCCTAGGATGGCAGAGATGGCACCCTGCACCCGATCACAGACCGTGGGGACGTGCGTGTGC
 AGTTCAACCATGAAACCCGCTGGACCTCCACCCTGGGGCTCTCACCAAGCACAACAGCTTCTGGGTAGG
 TGATGTGGTCCGGTTCATCGATGACCTTGACACTGTGAAGCGACTGCAAGCTGGACATGGAGAATGGACT
 GACGACATGGCCCCGCCCTGGCCGAGTGGGAAAGTGGTGAAGGTGTTGGAGATGGAACCTTGCCTG
 TGGCGGTTGGTGGCCAGCGGTGGACCTTCAGCCCCGCTGCCTAGTGGCCTGCCGGCTGAGGAGGATGC
 CAACCTGGCGTGGCTGAGCGCGCCAGAGAGAACAAGCTCACTGAGTGTGGCCCTGGACAAGCTTCGG
 ACACAGAAGAGCGACCCAGAGCACCCAGGGAGGCTGGTGTGAGGCTGCACTGGGAAATGTAGCCCGGG
 CCCTGGACCTGCTTCGAAGGCATCCTGAGCAGGTGGACACCAAGAACCAGGGTAGGACTGCCCTGCAGGT
 GGCTGCTTACCTGGGCCAGGTAGAAGTGGTACGGCTGCTGCTGCAGGCAAGAGCAAGTGTGGACCTGCTG
 GATGAGGAGGGCAACACTGCCCTTCACTACACAGCCATGGGGAACCAGCCTGAGGCCACAAGGCTGCTCC
 TGAGTGCCGGATGTGGGGTGGATGCTCAGAATGGCACACGCAGCAGCCCTACACGTGGCTGTACAGAG
 GGGCTTCTAGAGGTGGTAAAGATCCTGTGTGAACATGGTTGTGATGTCAACTTGCCGGATGCCATGCA
 GACACACCCTGCATTCTGCCATCTCTGCGGGTCCGGTGCAGCAGCATTGTTGAAGTCTCACCGAGG
 TGCTGGCATCGATGTCAGTGTACCAATAGCCAGGGCTTCACACTGCTGCACCATGCATCCCTCAAGGG
 CCATGTGCTAGCAGTTAGAAAGATTCTGGCAAGAGCACGGCAGCTGGTGGATGCCAAGAAGGAGGACGGC
 TTTACTGCGCTACATCTGGCAGCTTTAAACACCACCGTGGAGTGGCCAGGTCCTAATCCGAGAGGGCC
 GCTGCGATGTGAATGTGCGAAACAGGAAGCTTCAATCCCCACTGCATCTGGCTGTGCAGCAGGCCACCT
 GGGGCTCGTACCCTGCTGGTGGACGCTGGTGCATGTCAACACTGAGGATGAGGAGGGTGCACAGCC
 CTGCATGTGGCACTACAGCGTATCAGCTGCTGCCCTGGTGGCTGACAGGGCTGGGGGAGACCCAGGGC
 CTTTGCAGCTGCTGTCAAGTTACAGGCCTCAGGCCTCCAGGCAGCACAGAGTTGACTGTAGGCCCGC
 AGTGGCCTGCTTCTGGCATTGGAGGGTCTGATGTGAGCTACGCAAAACCACCGCGCCGGAGCCACTG
 GACCTGGCCACAGAAGGCCGAGTGTCAAGGCCTTGACAGGCTGTGCCAGCGCTTCAGGGAGCGACAGG
 CAGGTGGCGGTGGGGTGTGCCCGGGCCCCCGCATGTGCTGAGTACTCCTAACCCGTGACGAACCT
 GCATGTGTCTGGCACAGCAGGGCCAGAAGCTGCCGAGTGCCTGGTGTGCTCGGAGCTGGCATTGCTAGTT
 CTGTTCTACCGTGTGAGCAGCCAGTGTGTGAGGAGTGCACAGGAGGATGAAGAAGTGTATCAGGT
 GCCAGGTGATCATCAGCAAGAAGCTTCGCCAGATGGTTCAGAGGTGGTTAATGCCATCCAGGTGCCCGG
 CCCGCTCGGCAACTGGTAGAGGAGCTACAGAGTGCCTACAGGCAGATGGAGGAGCGCATCACCTGCCCC
 ATCTGCATCGACAGCCACATCCGCTGGTGTCCAGTGCAGCCATGGAGCATGTGCGCCCTGTGGCGCTG
 CCCTAACGCCTGCCCATTTGCCGCCAGCCATCCGTGACCGCATTAGATCTTCGTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_001005901
Insert Size:	2862 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001005901.2, NP_001005901.2</u>
RefSeq Size:	3799 bp
RefSeq ORF:	2862 bp
Locus ID:	474147
Cytogenetics:	5q36