

Product datasheet for **RR215008**

Mib1 (NM_001107405) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mib1 (NM_001107405) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mib1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215008 representing NM_001107405
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGAGTAACTCCCACAACAACCGAGTGATGGTGGAGGGGGTGGCGCCCGCTAGTGCGCCGCCGGACT
GGAAGTGGGGCAAACAGGACGGCGGCGAGGGCCATGTAGGCACTGTGCGGAGCTTCGAGAGCCCGGAGGA
GGTCGTGGTGGTGTGGGACAACGGCACGGCCGCAACTACCGCTGCTCGGGGGCTACGACCTGCGCATC
CTGGACACGCGCCACCAGCATCAAGCATGATGGAATATGTGTGACACCTGCCGCAACAACCAATCA
TTGGCATTTCGATGGAAATGTGCAGAGTGCACCAATTATGATCTGTGCACTGTTTGTATCATGGAGATAA
ACACCACTTAAGGCATCGCTTCTATAGGATCACCACACCAGGAAGTGAACGGGTTCTGTTAGAGTCTCGT
AGAAAACTAAGAAGATCACAGCCAGAGGAATCTTTGCTGGTGCCAGAGTGGTGCAGGAGTGGACTGGC
AGTGGGAAGATCAAGACGGAGGCAATGGGCGTCGAGGAAAGTTAACGAAATCCAGGACTGGAGTGCATC
CAGCCCACACAGTGCAGCATATGTTCTCTGGGATAACGGTGCTAAGAACCTTTACAGGGTGGCTTTGAG
GGCATGTCTGATCTGAAATGTGTCCAGGATGCCAAAGGAGTTCTTTCTACAGAGATCATTGCCCTGTGT
TAGGTGAGCAGAATGGCAACAGGAATCCTGGTGGATTGCAGATTGGTGACCTGGTAAATATAGACCTTGA
CCTAGAAATTGTCCAGTCTTTGCAGCACGGTCATGGAGGATGGACCGATGGCATGTTTGGAGACTTTAACT
ACAACCTGGAACCTGTCTGTGGCATTGATGAAGATCATGACATTGTAGTACAGTATCCAAGTGGCAATAGAT
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CTCAAAGAGGACATGGTGAATGGGCTGAAGCAATGCTTCCAACCTTAGGTAAAGTGGGCAGAGTACAAC
AGATTTATTCGGACAGTGATTTAAAGGTGGAAGTCTGTGGAACATCGTGGACATAAACCCTGCAGCAGT
TTCCAAAGTGGCACCTGCAGGATCAACCATTAGCAATGCATCTGGTGAAGACTCTCCAGCTTCTGAAG
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AAGTCTGCACCGAGGACAGTGTGACCTGAATGCTCGTAATAAGCGTAGACAGACGCTTTCATATTGC
TGTCATAAAGGTCATCTTCAGGTTGTGAAGACTTTGTTGGACTTTGGCTGTCATCTAGTCTCCAGGAT



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TCTGAAGGTGACACCCCTCTCCATGATGCCATAAGTAAGAAACGGGATGACATTCTGGCGTTCTTCTGG
 AAGCTGGAGCAGATGTGACCATCACAACAATAATGGATTCAATGCTCTGCATCATGCTGCCCTGAGAGG
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 GATGGTTATACTGCCTTGACCTGGCTGCCCTGAATAATCATGTGGAAGTGGCTGAGCTGTTGGTGCATC
 AGGAAATGCAAACCTGGATATCCAGAAGCTGAACCAGCAGACGGCCCTACACCTTGCTGTTGAACGGCA
 GCACACCCAGATTGTGAGCTTTGAGACATCATACTTTGTCTCAACTACGTCAGCTACAAGACATGCAAGATG
 ACTCCTCTGCATGAAGCTTTGAGACATCATACTTTGTCTCAACTACGTCAGCTACAAGACATGCAAGATG
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 AAGAAGGGTCAGTCAACTGGATCTCTGTCTGACCCAAGTCTCTGCAAAGCTCTGGCAAAATGTCATA
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 ACATGCCAGCTCTGTGGAGACCGAATGAGTGAATGCCCGATTGTGCAAGGCAATAGAACGAAGGATTC
 TTTTGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215008 representing NM_001107405
 Red=Cloning site Green=Tags(s)

MSNSRNNRVMVEGVGARVVRGPDWKWGKQDGGEGHVGTVRSFESPEEVVVWDNGTAANYRCSGAYDLRI
 LDSAPTGIKHDGTMCDTCRQPIIGIRWKAECTNYDLCTVCYHGDKHHLRHRFYRITTPGSEVLLSR
 RKSKKITARGIFAGARVVRGVDWQWEDQDGGNGRRGKVTEIQDWSASSPHSAAYLWDNGAKNLYRVGFE
 GMSDLKCVQDAKGSFYRDHCPVLGEQNGNRNPGGLQIGDLVNIIDLLEIVQSLQHGHGGWTDGMFETLT
 TTGTVCIGIDEDHDIVVQYPSGNRWTFNPVLTKANIVRSGDAAQGAEGGTSQFQVGDLVQVCYDLERIKL
 LQRGHGEWAEAMLPTLGKVGRVQQIYSDSDLKVEVCGTSWTYNPAAVSKVAPAGSTISNASGERLSQLLK
 KLFETQESGDLNEELVAAAANGDVAKVEDLLKRPDVDVNGQCAGHTAMQAASQNGHVDILKLLKQNV DV
 EAEDKGDRAVHHAAFGDEGAVIEVLHRGSADLNARNKRRQTPHIAVNKGHLQVVKLLDFGCHPSLQD
 SEGDTPLHDAISKRRDDILAVLLEAGADVTITNNGFNALHHAALRGNPSAMRVLLSKLPRPWIVDEKDD
 DGYTALHLAALNNHVEVAELLVHQGNANLDIQNVNQQTALHLAVERQHTQIVRLLVRAGAKLDIQDKDGD
 TPLHEALRHHTLSQLRQLQDMQDVGKVDAAWEP SKNTLIMGLGTQGAEEKSAASIAACFLAANGADLSIRN
 KKGQSPLDLCPDPSLCKALAKCHKEKVSQVGSRSMSI SNDSETLEECMVCSDMKRDTLFGPCGHIATC
 SLCSPRVKKCLICKEQVQSRTKIEECVVCSDKKA AVLFQPCGHMACENCASLMKKVCQCRAVVERRVPF
 ITCCGGKSSEEPSDDISSGNIPVLQKDKDNTNVNADVQKLQQQLDIKEQTMCPVCLDRLKNMIFLCGHG
 TCQLCGDRMSEPCIRKAIERRILLY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

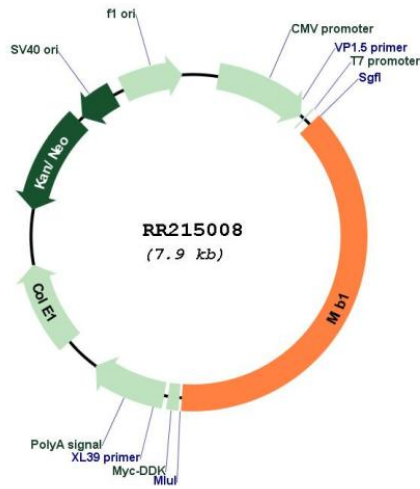
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001107405
 ORF Size: 3018 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:	<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:	NM_001107405.1 , NP_001100875.1
RefSeq Size:	3796 bp
RefSeq ORF:	3021 bp
Locus ID:	307594
Cytogenetics:	18p13
MW:	110.1 kDa