

Product datasheet for **RR214227**

MIph (NM_001012135) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIph (NM_001012135) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MIph
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214227 representing NM_001012135
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGGAGAAAGCTGGACCTTTCCAAGCTCACAGACGAGGAGGCCGAACATGTTTGGCAGTGGTTCAGC
 GGGACTTCGACCTCAGGAGGCGAGAAGAAGAAAGACTCCAGGGGCTGAAGGGCAAGATCCAAAAGGAGAG
 CTCCAAGAGGGAGTTGCTGTCGGACACAGCCATTGAATGAGACCCACTGTGCCCGCTGCCTGCAGCCT
 TACCGGCTACTCGTGAACAGCAGACGGCAGTGTCTAGAATGTGGTCTCTTCGTCGCAAAAAGCTGCAGCC
 ACGTCCACCCAGAAGAGCAGGGCTGGCTCTGCGACCCCTGCCACTTGGCCAGAGTCTTGAAGATTGGCTC
 CCTGGAATGGTACTACCAGCACGTGAGAGCTCGCTTCAAGCGTTTTGGGAGTGCCAAAGTATCCGGTCT
 CTCTCGGGCGGCTGCAGGGTGGAGTGGATCTGAGCCAAGCTTGAAGAAGGAAATGGAGACAGTGAAGC
 AGACAGATGAGGATGGAGAGCTGGACACAAAGGCCAAAGACCAGTCCCTCAACAGCAAAAAAACGCCCT
 GCTCTCCTCCGGGACGTGGACTTTGAAGAAGACTCAGACCACTCGATACAGCCTTGCCAGCCACACCCCTG
 GGCTGTCTCAGTCCCTGAGTCTGCCAGAGCCTGCAGTCCCTCTCAGGTGAGCCCTACTCTGAGGACA
 CCACCTCTCTGGAGCCCAGGGCATGGAGGAGACTGGTGCAGGGGCTTACGGGTGTTACCCAGTCTCTGA
 GGAGCAGCCATACAGCCCTTTACCTCTGGAGAGGATGCTCACACTGAACTGCACTCGCCTGCAACATCC
 TGCAAGAGTACCTTTGGGACCACAGCTATGCCTGGGATAGATGATAACAAGGGCAAAACAGCTGCCCTCAC
 AGTACCTGGTGTATGTGGACACCTCTGATGAAGACAGCATCCCGGGCCCCAGGGCAGCCTCCAGCACAC
 CAAGCGGAGGGCAGGACTGTGCCTGAGACTCAGATCTCGGAGTTGAACAAGCGAATGTCAGCTGTGGAG
 CATCTGCTGGTCCACCTGAAAAATGTGGTCTGCCTCCCTCAGACCAGGAACAGCTGTGGAGACACACC
 CCAGTGTGACACAGAGGAGGAGACACTCAGGAGGAGGCTGGAGGAGCTGACCAGTAACGTCAGTGGTTC
 TGAATCTCATCAGAAGATGAGACCAAGCCAGATGCCCCCTTCCGTGGAGTGTCCCAAAAGGTGTGCACA
 GACACAGGGCACATGGAGGCACAGGAAAGGAGCCCTCGGAGCCCCGGGAACCCTGCTCAACCTACAAAA
 GCACGGATGAGGAGCTCTCTGAGATGGAGGATAGAGTGGCCATGACAGCCTCGGAAGTTCAGCAAGCTGA
 AAGTGAGGTCTCAGACATTGAGTCCAGAATTGCAGCTCTGAGGGCAGCAGGACTCACAGTGAAGCCCTCG
 GGAAAGCCTCGGAGAAGGTGAGGATCCCGATCTTTCTCCCGGATTACTGAGAACTTGACAGGATCC
 CAAAGACTCCACCTGCAGACCCTGAGAACCAAGCAAGGTGCCCAAGGCGACGGCTGTGCCCTGTCTCAT
 GAGGAGGAAGTATCTCCAGCAGCCAAGGCATTGACGGTGGTCTTTTGTATCGGAAATCAGTGTACCGT
 GGCTCGCTGACACAGAGGAACCTAATGGGAGGAAAGGGACAGCCAGACACATCTTCGCGAAACCCGTGA
 TGCCCCAGCAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214227 representing NM_001012135
 Red=Cloning site Green=Tags(s)

MGRKLDL SKL TDEEAHVAVVQRDFDLRRREEERLQGLKGKIQKESKRELLSDTAHLNETHCARCLQP
 YRLLVNSRRQCLECLFVCKSCSHVHPEEQWLCDPCHLARVLKIGSLEWYYQHVRRARFKRFGSAKVIKRS
 LCGRLQGGGGSEPSLEEGNGDSEQTDEDGELDTKAKDQSLNSKKRLLSFRDVFDEEDSDHSIQPCSHTL
 GLSSVPESAQSLQSLSGEPYSEDTTSLPEGMEETGAGASGCYPSPEEQPYSPLPSGEDAHTELHSPATS
 CKSTFGTTAMPGIDDNKGKQLPSQYLADVDTSEDSIPGPRAASQHTKRRARTVPETQISELNKRMSAVE
 HLLVHLENVVLPPSDQEPAVETHPSADTEETLRRLEELTSNVSGSEISSEDETKPDAPFRGVSPKVCT
 DTGHMEAQERSPRSPGNPAQPTKSTDEELSEMEDRVAMTASEVQQAEEVSDIESRIAALRAAGLTVKPS
 GKPRRRSGIPIFLPRITEKLDRIPKTPPADPENQAKVPKATAVPCLMRRKYSPSSQIDGGSFDRKSVYR
 GSLTQRNPNRKGRTARHIFAKPVMAQQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001012135

ORF Size: 1764 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_001012135.1](#), [NP_001012135.1](#)

RefSeq Size: 2892 bp

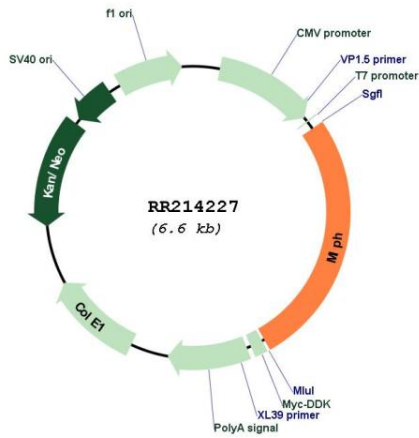
RefSeq ORF: 1767 bp

Locus ID: 316620

Cytogenetics: 9q36

MW: 64.9 kDa

Product images:



Circular map for RR214227