

## Product datasheet for **RN214227**

### **MIph (NM\_001012135) Rat Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >RN214227 representing NM\_001012135  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGAGAAAGCTGGACCTTTCCAAGCTCACAGACGAGGAGGCCGAACATGTTTGGCAGTGGTTCAGC  
 GGGACTTCGACCTCAGGAGGCGAGAAGAAGAAAGACTCCAGGGCTGAAGGGCAAGATCCAAAAGGAGAG  
 CTCCAAGAGGGAGTTGCTGTCGGACACAGCCATTGAATGAGACCCACTGTGCCGCTGCCTGCAGCCT  
 TACCGGCTACTCGTGAACAGCAGACGGCAGTGTCTAGAATGTGGTCTCTTCGTCGCAAAAAGCTGCAGCC  
 ACGTCCACCCAGAAGAGCAGGGCTGGCTCTGCGACCCCTGCCACTTGGCCAGAGTCTTGAAGATTGGCTC  
 CCTGGAATGGTACTACCAGCACGTGAGAGCTCGCTTCAAGCGTTTTGGGAGTGCCAAAGTATCCGGTCT  
 CTCTGCGGGCGGCTGCAGGGTGGAGGTGGATCTGAGCCAAGCTTGAAGAAGGAAATGGAGACAGTGAAGC  
 AGACAGATGAGGATGGAGAGCTGGACACAAAGGCCAAAGACCAGTCCCTCAACAGCAAAAAAACGCCCT  
 GCTCTCCTCCGGGACGTGGACTTTGAAGAAGACTCAGACCACTCGATACAGCCTTGCCAGCCACACCCTG  
 GGCTGTCTCAGTCCCTGAGTCTGCCAGAGCCTGCAGTCCCTCTCAGGTGAGCCCTACTCTGAGGACA  
 CCACCTCTCTGGAGCCCAGGGCATGGAGGAGACTGGTGCAGGGGCTTACGGGTGTTACCCAGTCTCTGA  
 GGAGCAGCCATACAGCCCTTACCTCTGGAGAGGATGCTCACACTGAACTGCACTCGCCTGCAACATCC  
 TGCAAGAGTACCTTTGGGACCACAGCTATGCCTGGGATAGATGATAACAAGGGCAACAGCTGCCCTCAC  
 AGTACCTGGTGTATGTGGACACCTCTGATGAAGACAGCATCCCGGGCCCCAGGGCAGCCTCCAGCACAC  
 CAAGCGGAGGGCACGGACTGTGCCTGAGACTCAGATCTCGGAGTTGAACAAGCGAATGTCAGCTGTGGAG  
 CATCTGCTGGTCCACCTGGAAAATGTGGTCTGCCTCCCTCAGACCAGGAACAGCTGTGGAGACACACC  
 CCAGTGTGACACAGAGGAGGAGACACTCAGGAGGAGGCTGGAGGAGCTGACCAGTAACGTCAGTGGTTC  
 TGAATCTCATCAGAAGATGAGACCAAGCCAGATGCCCCCTTCCGTGGAGTGTCCCAAAAGGTGTGCACA  
 GACACAGGGCACATGGAGGCACAGGAAAGGAGCCCTCGGAGCCCCGGAAACCCTGCTCAACCTACAAAA  
 GCACGGATGAGGAGCTCTCTGAGATGGAGGATAGAGTGGCCATGACAGCCTCGGAAGTTCAGCAAGCTGA  
 AAGTGAGGTCTCAGACATTGAGTCCAGAATTGCAGCTCTGAGGGCAGCAGGACTCACAGTGAAGCCCTCG  
 GGAAAGCCTCGGAGAAGGTCAGGCATCCCGATCTTTCTCCCGGATTACTGAGAAAATTGACAGGATCC  
 CAAAGACTCCACCTGCAGACCCTGAGAACCAAGCAAGGTGCCCAAGGCGACGGCTGTGCCCTGTCTCAT  
 GAGGAGGAAGTATTCTCCAGCAGCCAAGGCATTGACGGTGGTCTTTTGATCGGAAATCAGTGTACCGT  
 GGCTCGCTGACACAGAGGAACCCTAATGGGAGGAAAGGGACAGCCAGACACATCTTCGCGAAACCCGTGA  
 TGCCCCAGCAGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001012135
- Insert Size:** 1767 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).
- 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