

## Product datasheet for **RN214070**

### Mipep (NM\_031052) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mipep (NM_031052) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mipep
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214070 representing NM\_031052  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTGCTGGCAGCCGGGACGCGGTATGCCTACCGGCTGTGCGGCCGGCAGCCGGCGGCTCTGCAGG  
 GACACGCAGGCCGAGCTGCGCCCGGAGCGTTAGCACTAGCTGGTCCCGGTGGGCGCTGCCTTTAACGT  
 CAAGCCCCAGGGCCACCTGTGGGACCTGTTGGGAGAGCGACGGGGTCTTTTTGGAGTTCTTGAGCTCAGC  
 ACCCTGAAGGATTCCAAGTTGCCAGGAGGAAGCCTTGAGGAAGACGGAGTGGCTGGTAGAGCGAGCAT  
 GTTCCACACCTCCAGGGCCACAGACAGTCTCATTTTTCGATGAGCTCTCGGATTGCCTCTGCAGAGTGGC  
 TGACTTGGCGGACTTTGTGAAAATTGGACACCCAGAGCAGGCGTTCAGAGAGGCTGCGCAGGAGGCTGC  
 AGAAGTATTGGCACCATGGTGGAAAAGTTGAATACGAATGTGGAATTGTATCAGAGTCTGCAGAAATTAC  
 TAGATGACAAGAAGCTTATGGATTCCCTTGATGCAGAAACCAGGCGAGTAGCCGAACATTTATGTTTGA  
 TTTTGAATCAGTGAATCCATCTAGATGAAGAAAAGCGCAGAAGAGCCGTGGACCTCAATGTTAAGATC  
 TTGGACTTGAGTAGTGTCTTCTCATGGGAACCACTTTCCCATCAAGATCCAGAAGCATCTCTACCAG  
 AGCACATTCAGCACCACTTTGCTCGTGATGGAAGGCATTTAGTCATCGATGGTCTACATGCGGAAGCCTC  
 CGATGACCTGGTTCGGGAGGCTGCTATAAAAATTTTCTTTATCCCAATGCTGATCAGTTGAAGTGTG  
 GAGGAGTTGCTAAGCAGCCGAGATCTTCTGGCAAACCTAGTAGGCTATTCTACCTTTTCCACAGGGCCC  
 TCCAGGGAACCATAGCCAGACTCCAGAGACTGTCATGCAGTTCCTTGAGAAGCTATCTGAAAAGCTCTG  
 CGAAAGAACTAGAAAAGATTTTGGAGATGATGCAAGGAATGAAAACAAAATAAATCCTCAAAATCTGAA  
 CTAATGCCTTGGGACCTCCCTACTACAGTGGTGTGATTTCGTGCAGAGAGGTATAATATTGAGCCAGTT  
 TATATTGCTCCATTCTTATCCCTTGGAGCTTGCATGGAAGGCCTGAATGTCCTATTTAACAGACTGTTGGG  
 CGTCACCTTATATGCAGAACAGCCCTTCAAAGGAGAGGTGTGGTATTGATGTCCGGAAGCTGGCTGTT  
 GTTCATGAATCTGAAGGTTGCTGGGCTACATTTACTGTGATTTTTTCCAGCGAGCAAACAAGCCACAGC  
 AGGATTGCCACTTCACCATCCGAGGGGGCAGATTAAGGAAGATGGCAGCTATCAGCTCCAGTGTGGT  
 TCTCATGTGAATCTCCCTCATGCTTCCAGGGATTTCCCTACCTTATTAACCTCTGGGATGATGGAAAAT  
 CTCTTCCATGAAATGGGGCATGCCATGCACTCAATGCTCGGACGAACTCGGTACCAGCATGCTACTGGGA  
 CCAGGTGCCCTACTGACTTTGCTGAAGTCCGTCTATTCTGATGGAGTATTTTTCAAATGATTACCGAGT  
 AGTCAGCCAGTTTCCAAGCATTATCAGACTGGTCAGCCACTGCCGAAAGCTATGGTGTCTCGTCTGT  
 GAATCTAAGAAGTCTGTGCCGCCGAGAAATGCAGCTGCAGGTCTTTATGCCGCCCTGGATCAAATCT  
 ACCATGGCCAGCATCCCCTGAAGAAGTCAACCACAGACATCCTCATGGAAACACAAGAGCAGTTTTATGG  
 CTTACCCTATGTTCTGACACTGCCTGGCAGCTGAGGTTAGCCACCTGGTGGGATATGGCGCAAGTAT  
 TACTCATACCTCATGTCCAGGGCTGTGGCATCCATGGTCTGGAAGGAGTGCTTCTACAGGATCCCTTTA  
 ACAGGGCCCGGGGAGCGCTACCCGAGAGAGATGTTAGCCACGGTGGGGGCAAGGAACCTATGCTCAT  
 GATTCAGGCATGCTGCAGAAATGTCCTTCCATCGATGATTTTGTGGATGCCCTTGTGTCTGACTTGAAT  
 CTGGACTTTGAACTTTCTCATGGATTCTAAA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MIuI

**ACCN:** NM\_031052

**Insert Size:** 2136 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_031052.2</a></u> , <u><a href="#">NP_112314.2</a></u>
<b>RefSeq Size:</b>	2393 bp
<b>RefSeq ORF:</b>	2136 bp
<b>Locus ID:</b>	81684
<b>Cytogenetics:</b>	15p12
<b>Gene Summary:</b>	enzyme that catalyzes the removal of amino-terminal octapeptides from mitochondrial proteins [RGD, Feb 2006]