

## Product datasheet for **RN204439**

### **Rnpep (NM\_031097) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rnpep (NM_031097) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rnpep
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204439 representing NM\_031097  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAGCAGCGGACCCAGCAGCTGCCACAGCGCGGCCCGCGGCCACTTCACTCGGCACAAGCCGTGG  
 ACGTGGCCTCGGCTCCAGTTTCCGCGCCTTCGAGATCCTGCACCTGCACCTGGACCTGCGGGCCGAGTT  
 GCCTCCGGGCCCGGGTCCGGGGAGCCGCGGACTGAACGGCAAGGCGACGCTGGAAGTGGCGTCTTGCTG  
 CCGGAGGGCGCCTCGGAGCTGCGGCTCGATTTCGCACAGTTGCCTGGAGGTGATGGCGGCGACCCTGCTGC  
 GGGGGCAGCCCGGAGACCAGCAGCAGCTCACGGAGCCCGTGCCTTCCACACACAGCCCTTCTCGCACTA  
 TGGCCAGGCCCTGTGCGTGGTCTTCCGAAGCCCTGCTGTGCCGCCGAGCGCTTCCGGCTGGAGCTCACC  
 TACCGCGTCGGAGAGGGACCAGGGTGTGCTGGTTAGCTCCTGAGCAGACAGCAGAAAGAAGAAACCTT  
 TTGTGTATACCCAGGGTCAGGCAGTCTAAACCGAGCCTTTTCCCTTGCTTCGACACCCAGCCGTGAA  
 ATGCACGTATTCGGCTCTTGTGAGGTTCCAGATGGCTTACAGCTGTGATGAGTGAAGACATGGGAG  
 AGGAGAGGACAAATAAGTTCTTCTCCAGATGAGCCAGCCCATCCCCTCCTATCTGATAGCTTTGGCCA  
 TTGGAGATCTGGCTTCAGCTGAGGTTGGACCCAGGAGCCGGGTGACAGAGCCCTGCCTGATTGAAGCCGC  
 CAAGGAGGAATACAATGGGGTCATAGAAGAATTTCTGGCAACAGGAGAGAAGCTTTTCGGACCCTATGTT  
 TGGGGAAGATATGATTTACTCTTTATGCCACCATCTTCCCGTTTGGAGGAATGGAGAATCCCTGCCTGA  
 CCTTTGTACCCCGTGCCTGCTAGCAGGGGACCGATCCTTAGCCGACGTCATCATCCACGAGATCTCCCA  
 CAGTTGGTTTGGAACTGGTCACCAATGCCAACTGGGGGAATCTGGCTCAATGAAGGCTTACCATG  
 TATGCCAGAGGAGGATCCACCATCCTGTTCCGAGCTGCTTACACTTGCTTGGAGCCGCAACGGGGA  
 GGGCTCTGCTACGGCAGCACATGGATGTGCTGGAGAGGAAAACCCACTCAACAAGCTTCCGGTGAAGAT  
 TGAACCGGTGTTGACCCAGATGACACCTACAATGAAACCCCTACGAGAAAGTTACTGCTTTGTCTCA  
 TACCTGGCCCATCTGGTGGTGATCAGGAACAGTTTGACAAGTTTCTCAAGGCCTATGTAGATGAGTTTA  
 AGTTCCAAAGTATCTTGCTGAAGACTTCTGGAATTCTACCTGGAGTATTTCCCTGAGCTGAAGAAGAA  
 GGGAGTGGATTCCATCCAGGTTTTGAGTTCAACCGATGGCTGAACACCCCTGGCTGGCCCCCTACCTC  
 CCCGACCTCTCCCTGGGACTCACTCATGAAGCCAGCTGAAGAGCTGGCGGAGCTGTGGCAGCCCTCAG  
 AGCCAGACATGCAAGCCATCGAGGCTGTGGCCATCTCTACCTGGAAGACCTACCAGCTTGTCTACTTCT  
 AGATAAGATCCTGCAGAAGTCTCCTCTCCCTCCTGGGAACGTGAAAAAATTGGGGAGACATACCCAAG  
 ATTTCCAATGCTCAGAATGCTGAGTTACGGCTAAGATGGGGCAAATCATCCTTAAGAATGACCACCAAG  
 AAGAGTTCTGAAAGTGAAGACTTCTGCAGAGTCAGGAAAGCAGAAGTACACTCTGCCACTGTACCA  
 TGCCATGATGGGTGGCAGCGAGATGGCCCCGACCTCGCCAAGGAGACCTTTTCAGCCACCGCTTCCAG  
 CTCACAGTAACGTGGTCAACTATGTCCAGCAGATCCTGGCGCCAAGGGCAGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_031097
- Insert Size:** 1947 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\\_031097.1](#), [NP\\_112359.1](#)

**RefSeq Size:** 2208 bp

**RefSeq ORF:** 1947 bp

**Locus ID:** 81761

**UniProt ID:** [O09175](#)

**Cytogenetics:** 13q13

**Gene Summary:** binds zinc; catalyzes the release of N-terminal Arg and Lys from oligopeptides when P1' is not Pro [RGD, Feb 2006]