

## Product datasheet for **RN212818**

### **Pnkp (NM\_001004259) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pnkp (NM_001004259) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pnkp
Synonyms:	MGC94448
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN212818 representing NM\_001004259  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCAGAGCTTGGATCCAGGGGCCGCTGTGGCTCCAGAGCCCCACCGTGGGCCACCCCTATATTCC  
 TGCCGTCGGATGGCCAAGCCCTGGTTCTCGGTCGGGGACCCCTTACCCAAGTGATGGACCGGAAGTGCTC  
 CCGAAACCAAGTGGAGCTGATTGCAGACCTGAAACCCGACAGTGGCAGTGAAACAGCTGGGTGTTAAC  
 CCATCAACTGTTGGGGTCCAGGAGTTGAAGCCAGGGGTGTCTGGCTCTCTAAGCGTGGGGATGTCTTTT  
 ATCTGGTTAATGGCCTATATCCCCTGACCCTGCGCTGGGAAGAGATCAGCACACCAGGATCCCCGCCAGA  
 CACTCCACCAGGCAATCCTGTGGATCCAGAGGAGGAAAGGATACTGAGCCTCAGAAAAAGCAATGCGG  
 AAATCCTCCCCTGGCTGGGAGAGCTTTAAGCAGTTACTGGTGTTCACAGCGTCTGGAGTGAAGCCCCGGG  
 GCAAGGTGGCTGCCTTTGACCTAGATGGGACCCTCATACCACCCGCTCTGGAAAGTCTTCCCCTAG  
 CCCTAGTGACTGGAGATTCTGTACCCAGAGATCCAAAGAAGTCCAGGAGCTGGCTGCTGAGGGCTAC  
 AAGCTGGTAATTCACCAACCAATGGGCATCGGGAGAGGCAAGCTGCCAGCAGAGGTGTTCAAGGCCA  
 AGGTGGAAGCTGTATTGGAGAACTAGGGGTCCATTTCAAGTGTGGTGGCAACGCATGCAAGTCTAAA  
 CCGAAAGCCAGTGAGTGGCATGTGGACCATCTGCAGGAGAAGGGCAACGAGGGCATCCCATCTCCATC  
 GGGGACAGTGTCTTCGTGGGAGATGCAGCAGGGCGCCAGCCAAGTGGGCCCCAGGGAAGAAGAAAAAGG  
 ATTTCTCTGTGCAGACCGCCTGTTGCGCCCTCAATGTTGGCTACCCTTTGCCACTCCTGAAGAGTTCTT  
 CCTCAATGGCCAGCAGCCCGCTTTGAGCTTCCAGCTTTTGACCCGAGGACCATCTCCAGTGTGGACCC  
 CTCTACCTCCCAGAGTCCAGTTTCTCTGAGCCCCAACCCAGAGGTGGTGGTGCAGTAGGATTCCTG  
 GGCCCGCAAGTCCACTTTCATCCAGAAGCACCTGGTATCGGCTGGATATGTCATGTGAACAGAGACAC  
 GCTGGGCTCATGGCAGCGCTGTGTAAGTCACTGCCAGGCCGCACTGAGGCAGGGGAAGCAAGTCGTGATT  
 GATAACCAACCCAGACATCCAAAGTCGGGCTAGGTACATCCAGTGTGCCAAAGATGCTGGTGTGCCCT  
 GCCGCTGCTTCAGCTTCTGTGCCACAATAGAGCAGGCACGCCACAACAACAGTTCCGTGAGATGACCGA  
 CCCTTCACATGCGCCGGTATCAGACATGGTCATGTTTAGCTACAGGAAGCAGTTTGGCCGCCACACTG  
 GCTGAAGGCTTCTGGAGATCCTTCAGGTCCCATTCCGGTTACAGGAGCATCTGGACCCTGCGCTGCAGC  
 GACTATACTGCCAGTTTTCCGAGGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001004259

**Insert Size:** 1569 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\\_001004259.1](#), [NP\\_001004259.1](#)

**RefSeq Size:** 1690 bp

**RefSeq ORF:** 1569 bp

**Locus ID:** 308576

**Cytogenetics:** 1q22

**Gene Summary:** human homolog plays a role in non-homologous end joining for DNA double strand break repair [RGD, Feb 2006]