

## Product datasheet for **RN200004**

### **Pnkd (NM\_001134751) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pnkd (NM_001134751) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pnkd
Synonyms:	Mr-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RN200004 representing NM_001134751. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTGGCAGAGCTGGCCGGCGCCTTGGTTGTGGGTCTCGGGCTGCTGGCTGCTATTCTTCGCCTTC
GTGCTGCTTTTGGAGTCCCGCGGTTTCCAAGAACGGCGGGGTTCCGCGGCCTCCTCATGACGCGCAGC
CAGCGGCTGCTCTCCGAATCGGTACAGCCTGTACACCCGGACCTGGCTCGGGTACCTCTTCTACCGA
CAGCAGCTCCGGAGGGCTCGGAATCGCTTCCCAAAGGCCACTCCAAAACCTCAGCCAGACTCTTCAAT
GGAGTGAAGGTGCTTCCCATCCCTGTCCCTCGGACAACCTACAGCTACCTCATATCGACACCCAGGCT
GGGCTGGCAGTGGCTGTGGACCCCTCAGACCCGAGGGCTGTGCAGGCTTCTATTGAAAAGGAAAGAGTT
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CGGCACAGGGACTGTCGAGTGTATGGGAGCCCTCAGGATGGTATCCCCTACCTCACCCATCCCCTGTGT
CATCAAGATGTGGTCAGCGTGGGACGACTTCAGATTCGAGCCCTGGCTACCCCTGGCCACACCCAAGGC
CATCTGGTCTACCTGCTGGATGGGAGCCCTACAAGGGTCCCTCCTGCCTTCTCAGGGGACCTGCTC
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TTGGACCTGGGCGATGACACCCCTGCTGTGGCCTGGACATGAATATGCAGAAGAGAACCTGGGCTTTGCCG
GGTGTGGTGGAGCCCGAGAACGTGGCTCGTGAGAGGAAGATGCAGTGGGTACAGAGGCAACGGATGGAA
CGCAAGAGCACATGCCATCCACCTGGGAGAGGAGCGCCCTACAACCCATTCTGAGAACCCACTGC
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CTCCTGGAGGAGCTGCGCCGGCTGAAGGACATGCATAAGAGCAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



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**Protein Sequence:** MAWQSWPAPWLWVSGCWLLFFAFVLLLSPRGFQERRGFRGLLMTRSQRLLFRIGYSLYTRTWLGYLFYR  
 QQLRRARNRFPKGHSKTQPLFNGVKVLPVLSNYSYLIIDTQAGLAVAVDPSDPRVQASIEKERV  
 NLVAILCTHKHWDHSGGNRDLRRHRDCRVYGGSPQDGIPYLTHPLCHQDVVSVGRLQIRALATPGHTQG  
 HLYVLLDGEPEYKGPSCLFSGDLLFLSGCGRTFEGTAETMLSSLDTVLDLGGDTLLWPGHEYAEENLGA  
 GVVEPENVARERKMQWVQRQRMERKSTCPSTLGEERAYNPFRLRTHCLALQEALGPGPGPTSDGCSRAQ  
 LLEELRRLKDMHKSK\*  
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Fully Sequenced ORF:** >RN200004 representing NM\_001134751  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCTTGGCAGAGCTGGCCGGCGCCTTGGTTGTGGGTCTCGGGCTGCTGGCTGCTATTCTTCGCCTTCG  
 TGCTGCTTTTGGTCCCCGGGTTTCCAAGAACGGCGGGTTCGCGGCCTCCTCATGACGCGCAGCCA  
 GCGGCTGCTTCCGAATCGGGTACAGCCTGTACACCCGGACCTGGCTCGGGTACCTCTTCTACCGACAG  
 CAGCTCCGGAGGGCTCGGAATCGCTTTCCCAAAGGCCACTCCAAAACAGCCAGACTTTCAATGGAG  
 TGAAGGTGCTTCCCATCCCTGTCTCTCGGACAACACTACAGTACCTCATCATCGACACCCAGGCTGGCT  
 GGCAGTGGCTGTGGACCCCTCAGACCCGAGGGCTGTGCAGGCTTCTATTGAAAAGGAAAAGAGTTAACTTG  
 GTTGCCATTCTGTACCCACAAGCACTGGGACCACAGTGGAGGAAACCGTGACCTCAGCCGGCGGCACA  
 GGGACTGTCGAGTGTATGGGAGCCCTCAGGATGGTATCCCTACCTACCCATCCCTGTGCATCAAGA  
 TGTGGTACGCGTGGGACGACTTCAGATTCGAGCCCTGGCTACCCCTGGCCACACCCAAGGCCATCTGGTC  
 TACCTGCTGGATGGGAGCCCTACAAGGGTCCCTCCTGCCTTCTCAGGGGACCTGCTCTTCTCTCTG  
 GCTGTGGACGGACCTTCAAGGCACAGCAGAGACCATGCTGAGCTCACTGGACACTGTGTTGGACCTGGG  
 CGATGACACCCTGCTGTGCCTGGACATGAATATGCAGAAGAGAACCTGGGCTTTCGGGGTGTGGTGGAG  
 CCCGAGAACGTGGCTCGTGAGAGGAAGTGCAGTGGGTACAGAGGCAACGGATGGAACGCAAGAGACAT  
 GCCCATCCACCCTGGGAGAGGAGCGCGCCTACAACCCATTCTGAGAACCCTGCTGGCACTACAGGA  
 GGCTCTGGGGCCCGGCCTGGCCCCACCAAGTATGATGGCTGCTCCCGGGCCAGCTCCTGGAGGAGCTG  
 CGCCGGCTGAAGGACATGCATAAGAGCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001134751

**Insert Size:** 1083 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\\_001134751.1](#)

**RefSeq Size:** 2797 bp

**RefSeq ORF:** 1083 bp

**Locus ID:** 100188944

**Cytogenetics:** 9q33

**MW:** 40.9 kDa