

## Product datasheet for **RR201251**

### **Pnpt1 (NM\_001142371) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pnpt1 (NM_001142371) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pnpt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR201251 representing NM\_001142371  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCTTGCAGGCCGTGCTGCTTGTGCTGTCTCCGACCGCTGAGCTGCGGTCCCCTCGGCCGGC  
 CAAGGCGCATCGTGCACCTCAGCTATTTGCAGGTGCGAGCGCTGTGGAGCGGCACCCGGTCCAGAGCAGT  
 GACTGTGGACTTGGGACACAGAAAATTAGAAATATCCTCTGAAAACTGGCAAGATTTGCTGATGCTGT  
 GCTGTGGTACAGTCAGGTGATACTGCAGTAATGGTACAGCGGTGAGCAAAAACAAACCTTCACCTTCCC  
 AATTCATGCCATTGGTGGTAGACTACAGACAGAAGGCTGCTGCAGCAGGTAGAATCCCCACAACTACCT  
 TAGAAGAGAGATTGGCTCTTCTGACAAAGAGATTCTTACAAGTCGAGTAATAGATCGTTCAATTCGACCT  
 CTCTTCTGCTGGCTATTTTTATGATACTCAGGTTCTCTGTAATCTGCTAGCAGTAGATGGCATCAATG  
 AACCTGATATCTAGCAATTAATGGCGCTTCTGCAGCTCTCTCCTTATCAGATATCCCTTGAATGGACC  
 TGTTGGGGCAGTACGAATAGGAATGATCGATGGAGAATGTGTCGTTAACCCAACAAGGAAAGAAATGTCT  
 TCTAGCACCTTAAATTTAGTAGTTGCTGGAGCACCTAAAAGCCAAATGTTATGTTGGAAGCCTCTCGAG  
 AAAACATTTTACAGCAGGACTTTTGCCATGCTATCAAAGTCGGGGTGAAGTATACGCAGCAGATAATTCA  
 GAGCATCCAGCAGTTGGTAAAAGAAATCGGTGTTGCCAAGAGGACACCCAGAGATATTTACTCCTTCT  
 GCAGAGATTGTGAAATACACGCATACAATCGCCATGGAGAACTCTATGCAGTTTTTACAGATTATGAAC  
 ATGATAAAGTTTCCAGGGATGAAGCTGTTAACAAGATAAGATTAGATACAGAGGAACATCTAAAGGAAAA  
 ATTTCCAGAGGTTGACCAACTTGAATAATAGAATCCTTCAACGTTGTTGCAAAGGAGGTTTTGAGAAGT  
 ATATTTTTGAATGAATACAAAAGGTGTGATGGACGAGATCTGACTTCACTTAGGAATATAAGTTGCGAGG  
 TAGATATGTTTTAAAACACTTTCATGGATCAGCATTATTTCCAGAGAGGACAAACACAGGTACTGTACTGT  
 TACATTTGATTTCATTAGAATCCAGTATTAATCAGATCAAATTATAACAGCTATAAATGGGGTAAAAGAT  
 AAAAATTTTCATGTTGCACTATGAGTTTCTCCTTATGCAACCAATGAAACTGGCAAAGTTACTGGTGTA  
 ATAGAAGAGAAGTTGGACATGGTCTTGTGCTGAGAAAGCTTTGTGCTGTTATTTCCAAAGATTTTCC  
 TTTTACCATAAGAGTTACATCTGAAGTTCTCGAGTCAAACGGGTCATCTTCTATGGCATCTGCATGTGGT  
 GGAAGTTTGGCATTAAATGGATGCAGGGTCCCAATTTCTGCTGTTGCAGGTGTAGCAGTGGGATTGG  
 TTACCAAAGCAATCCAGAGAAAGGTGAAATAGAAGACTATCGTTTGTAAACAGATATTCTGGGAATTGA  
 AGATTACAATGGTGACATGGATTTCAAATAGCTGGTACAATAAAGGAATAACTGCATTACAGGCTGAT  
 ATTAAGTTACCTGGAGTACCAGTAAAAATTATAATGGAAGCCATCCAACAAGCAACAGTGGCAAAGAGGG  
 AAATATTTGCAGACAATGAGCAAAAACGATTTCAAACCTCGAGCATCTAGGAAAGAAAATGGACCAGTTGT  
 AGAAACAGTAAAGGTTCCATTATCAAAACGAGCAAAATTCATTGGGCCTGGTGGATCACTTAAAAAAA  
 CTCCAGGCTGAGACAGGTGTAACAATTAGTCAGGTTGATGAAGAAACATTCTCCATATTTGCACCAACAC  
 CTACTGCAATGCATGAGGCAAGAGACTTCACTACAGAAATTTGCAGAGATGATCAAGAGCAACAATTGGA  
 ATTTGGAGCAGTTTATACCGCTACAATAACTGAAATCAGAGACACAGGAGTAATGGTAAAACCTGTATCCA  
 AACATGACTGCAGTGTACTTTCATAATTCACAACCTGACCAACGAAAGATTAAACATCCCCTGCGCTGG  
 GATTAGAAGTTGGCCAGGAAATTCAGGTCAAATACTTTGGCCGTGATCCAGCTGATGGAAGAATGAGGCT  
 TTCCCCTAAAGTACTTTCAGTCTCCAGCTACAACGTTTCTCAAACCTCAAATGATAGGAGCAGCATTGTA  
 ATGGGAGAGCCTATTTCCAGTCATCATCTAACTCTTCCCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR201251 representing NM\_001142371  
Red=Cloning site Green=Tags(s)

MAACRPCCLCLCLRPLSCGPLGRPRRHRALSYLQVRALWSGTRSRAVTVDLGHRKLEISSGKLARFADGC  
 AVVQSGDTAVMVTAVSKTKPSPSQFMPLVVDYRQKAAAAGRIPTNYLRREIGSSDKEILTSRVIDRSIRP  
 LFPAGYFYDTQVLCNLLAVDGINEPDILAINGASAALS L SDIPWNGPVGAVRIGMIDGECV VNPTRKEMS  
 SSTLNLVVAGAPKSQIVMLEASAENILQQDFCHAIKVGKVTQQIIQSIQQLVKEIGVAKRTPQKIFTPS  
 AEIVKYTHTIAMEKLYAVFTDYEHDKVS RDEAVNKIRLDTEEHLKEKFPEVDQLEIIESFNVVAKEVFRS  
 IILNEYKRCDGRDLTSLRNISCEVDMFKTLHGSA LFQRGQTQVLCVTVFD SLESSIKSDQIITAINGVKD  
 KNFMLHYEFPPYATNETGKVTGVNRRELGHGALAEKALCPVIPKDFPFTIRVTSEVLESNGSSMASACG  
 GSLALMDAGVPISSAVAGVAVGLVTKSNPEKGEIEDYRLLTDILGIEDYNGDMDFK IAGTNKGITALQAD  
 IKLPGVPVKIIMEAIQQATVAKREILQ TMSKTISKPRASRKENGPPVETVKVPLSKRAKFIGGGYHLKK  
 LQAETGVTISQVDEETF SIFAPTPTAMHEARDFITEICRDDQEQQL EFGAVYTATITEIRD TGVMVKLYP  
 NMTAVLLHNSQLDQRKIKHPTALGLEVGQEIQVKYFGRDPADGRMRLSRKVLQSPATTVLKTLNDRSSIV  
 MGEPISQSSSNSSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

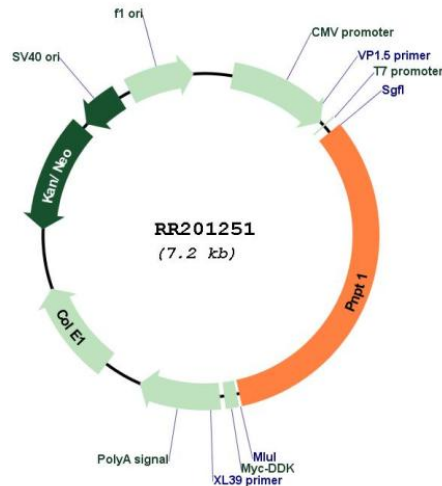
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001142371

**ORF Size:** 2352 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001142371.1](#), [NP\\_001135843.1](#)

**RefSeq Size:** 3441 bp

**RefSeq ORF:** 2355 bp

**Locus ID:** 360992

**Cytogenetics:** 14q22

MW: 85.9 kDa