

## Product datasheet for **MR230359**

### **Pnkp (NM\_001290764) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pnkp (NM_001290764) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pnkp
Synonyms:	1810009G08Rik; PNK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230359 representing NM\_001290764  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCACAGCTTGGATCCCGGGCCGCCTGTGGCTGCAGAGCCCCACGGTGGGCCGCCCTATATTCC  
 TGCCGTCGGATGGCCAAGCCCTGGTCTCGGTCGGGGACCCTGACCCAAGTGACGGACCGGAAGTGCTC  
 CCGAAACCAAGTGGAGCTGATTGCAGACCTGAAAGCCGACAGTGCCAGTGAAACAGCTGGGTGTTAAC  
 CCGTCAACTGTTGGGTCATGAGTTGAAGCCAGGACTGTCTGGCTCTCTAAGCTTGGGGATGTCTTT  
 ATCTGGTTAATGGCCTATATCCCTGACCCTGCGTTGGGAAGAGCTCAGCACATCAGGATCCCAGCCAGA  
 TGCTCCACCAGACTCCTGGGGATCCGGAGGAGGAGAGGATACTGAGCCTCAGAAAAAGCGAGTTCGG  
 AAATCCTCTCTGGCTGGGAGAGCTTAAGAAGTTACTGGTGTTCACAGCGTCTGGGGTGAAGCCCCAGG  
 GCAAGGTGGCTGCCTTTGACCTAGATGGGACCCTCATACCACCCGCTCTGGAAAGTCTTCCCCTAG  
 CCCTAGTGACTGGAGATTCTGTACCCAGAGATCCAAAGAAGCTCCAGGAGCTGGCTGCTGAAGGCTAC  
 AAGTTGTAATCTTCACCAACCAATGGGCATCGGGCAGGCAAGCTGCCAGCAGAGGTGTTCAAGGGCA  
 AGGTGGAAGCTGTATTGGAGAAGTTAGGGTCCATTTCAAGTGTGGTGGCAACACATGCAGGTCTAAA  
 CCGAAAGCCAGTGTGGCATGTGGACCATCTGCAGGAGCAGGCCAACGAGGGCATCCCCTCTCGGTA  
 GAGGACAGTGTCTTCGTGGGAGATGCAGCAGGGCCCTAGCCAAGTGGCACCGGGGAGGAAAAAAGG  
 ATTTCTCTTGTGCAGACCGCCTGTTTCGCCCTAACGTCGGCTGCCCTTTGCCACTCCGGAAGAGTTTTT  
 CCTAAGTGGCCGGCTGCCCGCTTTGAGCTTCCAGCTTTCGACCCGAGGACTATCTCCAGTGTGGGCC  
 CTCTACCTCCAGAGTCCAGCTCTCTCTGAGCCCCAACCCAGAGGTGGTGGTGCAGTAGGATCCCTG  
 GGGCCCGCAAGTCCACTTTCATCCAGGAGCACCTAGTGTACGCTGGCTACGTCATGTGAACAGGAGCAC  
 GCTGGGCTCGTGGCAGCGCTGTGTGAGCTCATGCCAGGCGGCACTGAGGCAGGGGAAGCGAGTCGTGATT  
 GACAACACCAACCCAGATGTCCCAAGTCGGGCCAGGTACATCCAATGTGCCAAAGATGCAGGTGTGCCCT  
 GCCGCTGTTTCAACTTCTGTGCTACAATAGAGCAGGCACGCCACAACAACAGGTTCCGTGAGATGACCGA  
 CCCTTCGCATGCACCTGTGTCGGACATGGTCATGTTTAGCTACAGGAAGCAGTTTGGCCGCCACACTG  
 GCTGAAGGCTTCTGGAGATCCTTGAGATTCCATTCCGGTTACAGGAGCATCTGGACCCGGCACTGCAGC  
 GACTGTACCGCCAGTTTTCCGAGGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230359 representing NM\_001290764  
 Red=Cloning site Green=Tags(s)

MSQLGSRGRLWLQSPITGGPPPIFLPSDQALVLGRGPLTQVTRKCSRNVQVELIADPESRTVAVKQLGVN  
 PSTVGVHELKPLSGSLSLGDVLYLVNGLYPLTLRWEELSTSGSQPDAPPDTPGDPEEGEDTEPQKKRVR  
 KSSLGWESLKKLLVFTASGVKPKQKVAAFDLDTLITRSGKVFPSPSDWRILYPEIPKKLQELAAEGY  
 KLVIFTNQMGIGRGLPAEVFKGKVEAVLEKLGVPFQVLVATHAGLNRKPVSGMWDHLQEANEGIPISV  
 EDSVFGDAAGRLANWAPGRKKKDFSCADRLFALNVGLPFATPEEFFLKWPAARFELPAFDPRTISSAGP  
 LYLPESSLLSPNPEVVAVGFPAGKSTFIQEHLVSAGYVHVNRDTLGSWQRCVSSCQAALRQKRVVI  
 DNTNPDVPSRARIQCAKDAGVPCRCFNFCATIEQARHNNRFREMTDPSHAPVSDMVMFSYRKQFEPPTL  
 AEGFLEILEIPFRLQEHLDPALQRLYRQFSEG

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_001290764

**ORF Size:** 1566 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\\_001290764.1](#), [NP\\_001277693.1](#)

**RefSeq Size:** 2042 bp

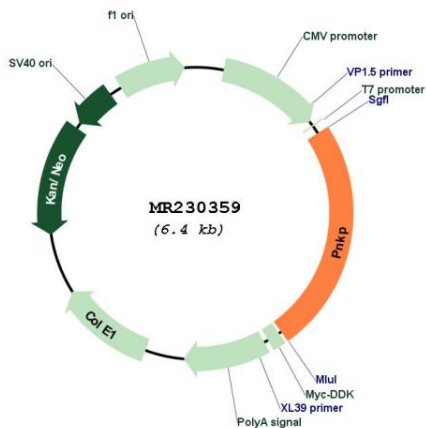
**RefSeq ORF:** 1569 bp

**Locus ID:** 59047

**Cytogenetics:** 7 B3

MW: 57.2 kDa

**Product images:**



Circular map for MR230359