

Product datasheet for **MR230163**

Pnkp (NM_001290766) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnkp (NM_001290766) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pnkp
Synonyms:	1810009G08Rik; PNK
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230163 representing NM_001290766
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCACAGCTTGGATCCCGGGCCGCCTGTGGCTGCAGAGCCCCACCGTGGGCGCCCCCTATATTCC
 TGCCGTCGGATGGCCAAGCCCTGGTCTCGGTCGGGGACCCTGACCCAAGTGACGGACCGGAAGTGCTC
 CCGAAACCAAGTGGAGCTGATTGCAGACCTGAAAGCCGACAGTGCCAGTGAAACAGCTGGGTGTTAAC
 CCGTCAACTGTTGGGTCAGGAGTTGAAGCCAGGACTGTCTGGCTCTCTAAGCTTGGGGATGTCTTT
 ATCTGGTTAATGGCTATATCCCTGACCCTGCGTTGGGAAGAGCTCAGCACATCAGGATCCAGCCAGA
 TGCTCCACCAGACTCCTGGGGATCCGGAGGAGGAGAGGATACTGAGCCTCAGAAAAAGCGAGTTCGG
 AAATCCTCTCTGGCTGGGAGAGCTTAAGAAGTTACTGGTGTTCACAGCGTCTGGGGTGAAGCCCCAGG
 GCAAGGTGGCTGCCTTTGACCTAGATGGGACCCTCATACCACCCGCTCTGGAAAGTCTTCCCCTAG
 CCCTAGTGACTGGAGATTCTGTACCCAGAGATCCAAAGAAGCTCCAGGAGCTGGCTGTGAAGGCTAC
 AAGGTGCTGGTGGCAACACATGCAGTCTAAACCGAAAGCCAGTGAGTGGCATGTGGGACCATCTGCAGG
 AGCAGGCCAACGAGGGCATCCCCATCTCGGTAGAGGACAGTGTCTTCGTGGGAGATGCAGCAGGGCGCT
 AGCCAACCTGGGACCCGGGAGGAAAAAAGGATTTCTCTTGTGCAGACCGCCTGTTTCGCCCTTAACGTC
 GGCTGCCCTTTGCCACTCCGGAAGAGTTTTCTTAAGTGGCCGGCTGCCCGCTTTGAGCTTCCAGCTT
 TCGACCCGAGGACTATCTCCAGTGTGGGCCCTCTACCTTCCAGAGTCCAGCTCTCTCTGAGCCCCAA
 CCCAGAGTGGTGGTCCAGTAGGATTCCTGGGGCCGCAAGTCCACTTTCATCCAGGAGCACCTAGTG
 TCAGCTGGCTACGTCCATGTGAACAGGACACGCTGGGCTCGTGGCAGCGCTGTGTGAGCTATGCCAGG
 CGGACTGAGGCAGGGGAAGCGAGTCTGATTGACAACCAACCCAGATGTCCAAGTCCGGCCAGGTA
 CATCCAATGTGCCAAAGATGCAGGTGTGCCCTGCCGCTGTTCAACTTCTGTGCTACAATAGAGCAGGCA
 CGCCACAACAACAGGTTTCGTGAGATGACCGACCTTCGCATGCACCTGTGTCCGACATGGTCATGTTTA
 GCTACAGGAAGCAGTTTGAAGCCGCCACTGGCTGAAGGCTTCTGGAGATCCTTGAGATTCCATTCCG
 GTTACAGGAGCATCTGGACCCGGCACTGCAGCGACTGTACCGCCAGTTTTCCGAGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230163 representing NM_001290766
 Red=Cloning site Green=Tags(s)

MSQLGSRGRLWLQSPITGGPPPIFLPSDQALVLRGRLTQVTRKCSRNVQVELIADPESRTVAVKQLGVN
 PSTVGVQELKPGLSGSLSLGDVLVLVNGLYPLTLRWEELSTSGSQPDAPPDTPGDPEEGEDTEPQKKRVR
 KSSLGWESLKKLLVFTASGVKPKQKVAAFDLDTLITRSGKVFPTSPSDWRILYPEIPKKLQELAAEGY
 KVLVATHAGLNRPVSGMWDHLQEANEGIPISVEDSVFVGDAAGRLANWAPGRKKKDFSCADRLFALNV
 GLPFATPEEFFLKWPAARFELPAFDPRTISSAGPLYLPSSSLLSPNPEVVAVGFPGAGKSTFIQEHV
 SAGYVHVNRDTLGSWQRCVSSQAALRQKRVVIDNTNPDVPSRARIQCAKDAGVPCRCFNFCAIEQA
 RHNNRFREMTDPSHAPVSDMVMFSYRKQFEPPTLAEGFLEILEIPFRLQEHLDPALQRLYRQFSEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

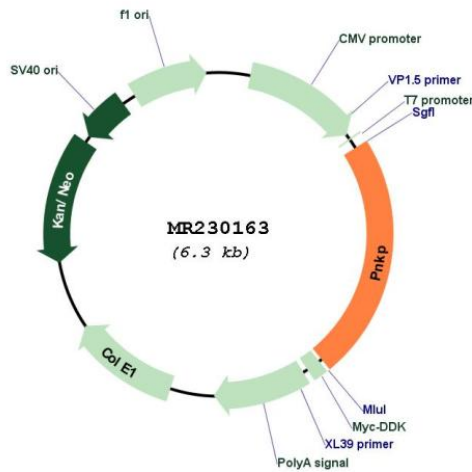
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290766

ORF Size: 1458 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_001290766.1](#), [NP_001277695.1](#)

RefSeq Size: 2026 bp

RefSeq ORF: 1461 bp

Locus ID: 59047

Cytogenetics: 7 B3

MW: 53.8 kDa