

Product datasheet for **MR207938**

Pnkp (NM_021549) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnkp (NM_021549) 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:

>MR207938 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCACAGCTTGGATCCCGGGCCGCCTGTGGCTGCAGAGCCCCACCGTGGGCCGCCCTATATTCC
 TGCCGTCGGATGGCCAAGCCCTGGTCTCGGTGCGGGACCCTGACCCAAGTGACGGACCGGAAGTGCTC
 CCGAAACCAAGTGGAGCTGATTGCAGACCTGAAAGCCGACAGTGGCAGTGAACAGCTGGGTGTTAAC
 CCGTCAACTGTTGGGGTCCATGAGTTGAAGCCAGGACTGTCTGGCTCTCTAAGCTTGGGGGATGTCTTT
 ATCTGGTTAATGGCCTATATCCCCTGACCCTGCGTTGGGAAGAGCTCAGCACATCAGGATCCCAGCCAGA
 TGCTCCACCAGACTCCTGGGGATCCGGAGGAGGAGAGGATACTGAGCCTCAGAAAAAGCGAGTTCGG
 AAATCCTCTCTGGCTGGGAGAGCTTAAGAAGTTACTGGTGTTCACAGCGTCTGGGGTGAAGCCCCAGG
 GCAAGGTGGCTGCCTTTGACCTAGATGGGACCCTCATACCACCCGCTCTGGAAAGTCTTCCCCTAG
 CCCTAGTGACTGGAGATTCTGTACCCAGAGATCCAAAGAAGCTCCAGGAGCTGGCTGTGAAGGCTAC
 AAGTTGGTAATCTTCACCAACCAATGGGCATCGGGCAGGCAAGCTGCCAGCAGAGGTGTTCAAGGGCA
 AGGTGGAAGCTGTATTGGAGAAGTTAGGGGTCCATTTCAAGTGTGGTGGCAACACATGCAGGTCTAAA
 CCGAAAGCCAGTGAAGTGGCATGTGGGACCATCTGCAGGAGCAGGCCAACGAGGGCATCCCCTCTCGGTA
 GAGGACAGTGTCTTCGTGGGAGATGCAGCAGGGCGCCTAGCCAACGGCACCGGGGAGGAAAAAAGG
 ATTTCTCTTGTGCAGACCGCCTGTTTCGCCCTAACGTCGGCTGCCCTTTGCCACTCCGGAAGAGTTTTT
 CCTTAAGTGGCCGGCTGCCCGCTTTGAGCTTCCAGCTTTCGACCCGAGGACTATCTCCAGTGTGGGCC
 CTCTACCTCCAGAGTCCAGCTCTCTCTGAGCCCCAACCCAGAGGTGGTGGTGCAGTAGGATTCCTG
 GGGCCGCAAGTCCACTTTCATCCAGGAGCACCTAGTGTACGCTGGCTACGTCATGTGAACAGGAGAC
 GCTGGGCTCGTGGCAGCGCTGTGTGAGCTCATGCCAGGCGCAGTGAAGGCAAGGGAAGCGAGTCTGATT
 GACAACACCAACCCAGATGTCCCAAGTCGGGCCAGGTACATCCAATGTGCCAAAGATGCAGGTGTGCCCT
 GCCGCTGTTTCAACTTCTGTGCTACAATAGAGCAGGCACGCCACAACAACAGGTTCCGTGAGATGACCGA
 CCCTTCGCATGCACCTGTGTCGGACATGGTCATGTTTAGCTACAGGAAGCAGTTTGGCCGCCACACTG
 GCTGAAGGCTTCTGGAGATCCTTGAGATTCCATTCCGGTTACAGGAGCATCTGGACCCGGCACTGCAGC
 GACTGTACCGCCAGTTTTCCGAGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207938 protein sequence
 Red=Cloning site Green=Tags(s)

MSQLGSRGRLWLQSPITGGPPPIFLPSDQALVLGRGPLTQVTRKCSRNVQVELIADPESRTVAVKQLGVN
 PSTVGVHELKPLSGSLSLGDVLYLVNGLYPLTLRWEELSTSGSQPDAPPDTPGDPEEGEDTEPQKKRVR
 KSSLGWESLKKLLVFTASGVKPKQKVAAFDLDTLITTRSGKVFPSPSDWRILYPEIPKKLQELAAEGY
 KLVIIFTNQMGIGRGLPAEVFKGKVEAVLEKLGVPFQVLVATHAGLNRKPVSGMWDHLQEANEIPIISV
 EDSVFGDAAGRLANWAPGRKKKDFSCADRLFALNVGLPFATPEEFFLKWPAARFELPAFDPRTISSAGP
 LYLPESSLLSPNPEVVAVGFPAGKSTFIQEHLVSAGYVHVNRDTLGSWQRCVSSCQAALRQGRVVI
 DNTNPDVPSRARIQCAKDAGVPCRCFNFCATIEQARHNNRFREMTDPSHAPVSDMVMFSYRKQFEPPTL
 AEGFLEILEIPFRLQEHLDPALQRLYRQFSEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_021549

ORF Size: 1569 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_021549.2](#), [NM_021549.3](#), [NP_067524.2](#)

RefSeq Size: 2134 bp

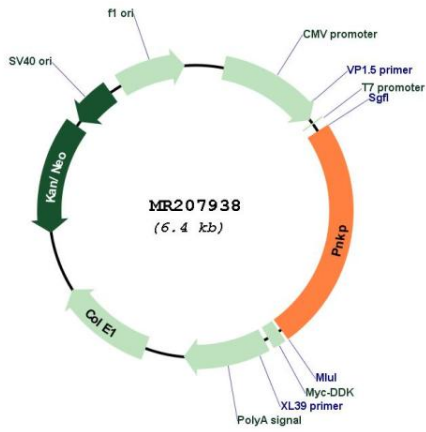
RefSeq ORF: 1569 bp

Locus ID: 59047

Cytogenetics: 7 B3

MW: 57.2 kDa

Product images:



Circular map for MR207938