

Product datasheet for **RR215272**

Pkp1 (NM_001107181) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pkp1 (NM_001107181) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pkp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR215272 representing NM_001107181
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCACTCGCCGCTCAAGACCCGCTGGCCTACGAATGCTTCCAGGACCAGGACAACCTCCACGCTCG
 CTTTGCCCTCTGACCAGAAGATGAAGACCCGACGTGGGACAGGAGCGTGTGCAGGAGCAGGTGATGAT
 GACGGTCAAACGGCAGAAGTCCAAGTCTTCGACGTCGTCACCTTGAGTCACTCCAACCGAGGTTCCATG
 TACGATGGGCTGGTTGACAATTACAACAACTATGGCACCACGAGCAGAAGCAGCTACTTCTCCAAGTTCC
 AAGCAGGGAATGGCTCCTGGGATATCCGATCTATAATGGGACCCTCAAGCGGGAGCCTGACAACAGACG
 CTTCAGCTCTATAGCCAGATGGAGAATGGAGCCGCACTATCCCCGAGGGAGCTGTGCCACCACAGGC
 GCTGGCAGTGACATCTGTTTATGCAGAAAATCAAGGCAAGCCGACGAGCCTGACCTCTACTGTGACC
 CGAGGGGCACACTGCGCAAGGGCACACTGGGCGCAAGGGCCAAAAGACCACCCAGAACCGATACAGCTT
 TTACAGCACTTGCAGCGGTGAGAAGGCTGTCAAGAAGTGTCCCGTGAAGCCGCCCTCTGCACCTCCAAG
 CAAGACCCAGTGTGCATGCCGCCTATCTCTGCAACAAGGACATGTCCTTTGGCCACTCAAGGGCCAGTT
 CCAAGATCTGCAGTGAGGACATTGAGTGTAGCGGGCTGACCATCCCCAAGGCTGTGCAGTACCTGTGCTC
 CCAGGACGAGAAGTACCAGGCCATCGGAGCCTATTACATCCAGCACACCTGCTTCCAGGATGAATCTGCC
 AAGCAACAGGTCTATCAGCTGGGGGCACTGCAAGCTGGTGGACCTCTCCGACGCCCCAATCAGAATG
 TCCAGCAGGCTGCTGCCGGGCTCTGCGCAATCTGGTGTTCAGGAGCACCCTAACAAAGTGGAGACCAG
 GAGGCAGAATGGGATCCGTGAGGCTGTGAGCCTCTGAGGAGAAGCGGGAGCAGGAGATCCAGAAAACAG
 TTGACTGGGCTGCTCTGGAACCTGTCTTCACTGACGAGCTAAAGGAGGAACTGGTGGCCGATGCCCTGC
 CTGTTCTGACTGACCGGGTCACTATCCCTTCTCTGGCTGGTGTGATGGTAAACAGCAACATGCCGGGA
 AGTAGTGACCCCGAGGCTTCTTCAATGCCACAGGCTGCCTGAGGAATCTGAGTTCAGCTGATGCTGGC
 CGCCAGACTATGCGGAATACTCTGGGCTCATTGACTCCCTCATGGCCTATGTCCAGAAGTGTGTGGCTG
 CCAGCCGCTGCGATGACAAGTCTGTGGAGAAGTGCATGTGTATCCTGCATAACCTCTCATACCGCTGGA
 CGCCGAGGTGCCACCCGCTACCGCAGCTGGAGTACAACACCCGCAATGCCTACACCGAGAAGTCTCC
 ACTGGCTGCTTACGCAACAGGGGTGACAAGATGATGAACAACAATATGACTGCCACTCCCTGAGGAAG
 AGACCAACCCCAAGGGCAGCAGCTGGCTGTACCACTCAGATGCCATCCGCACCTACCTGAACCTCATGGG
 CAAGAGCAAGAAAGACGCTACCTTGAGGCCTGTGCCGGGCCCTGCAGAACCTGACCGCCAGCAAGGGC
 CTGATGTGCAATGATGAGTCAGTTGATTGGAATAAAGGAAAAGGGCTTGCCACAAATAGCCCGTCTCC
 TGCAATCTGGCAATTCGGATGTGGTGGCGGAATCAGGTGTCCCAGAGGTAACCAGACTCCTCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215272 representing NM_001107181
 Red=Cloning site Green=Tags(s)

MNHSPLKTALAYECFQDQDNSTLALPSDQKMKTGTSGRQRVQEQVMMTVKRQKSKSSQSSTLSHSNRGSM
 YDGLVDNYNNYGTSSRSSYFSKFQAGNGSWGYPINYGLTKREPDRRFSSYSQMENWSRHYPRGSCATTG
 AGSDICFMQKIKASRSEPDLYCDPRGTLRKGTLGGKGQKTTQNRYSFYSTCSGQKAVKKCPVRPPSCTSK
 QDPVCMPPISCNKDMSFGHSRASSKICSEDIIECSGLTIPKAVQYLCSQDEKYQAIGAYYIQHTCFQDESA
 KQQVYQLGGICKLVDLLRSPNQNVQAAAAGALRNLVFRSTTNKLETRRQNGIREAVSLLRRSGSTEIQKQ
 LTGLLWNLSSDELKEELVADALPVL TDRV IIPFSGWCDGNSNMSREVVDPVEVFFNATGCLRNLSADAG
 RQTMRNYSGLIDSLMAYVQNCVAASRCDKSVENCMCILHNL SYRLDAEVPTRYRQLEYNTRNAYTEKSS
 TGCFSNRQDKMMNNNYDCPLPEEETNPKGSSWL YHSDAIRTYLNL MGKSKKDATLEACAGALQNL TASKG
 LMSNGMSQLIGIKEKGLPQIARLLQSGNSDVVRESGVPRGNQTPH

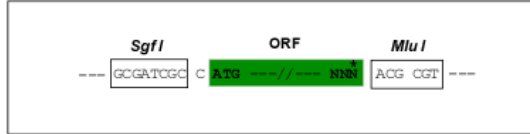
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

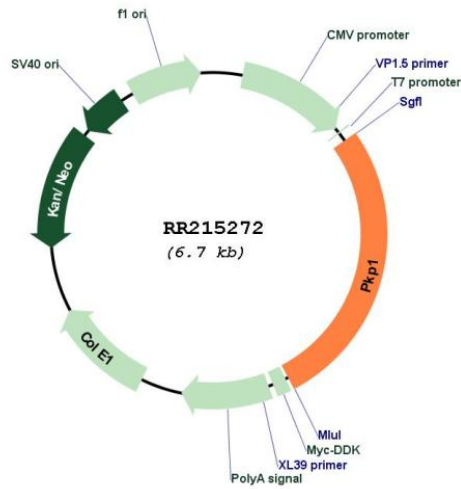
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001107181

ORF Size:	1815 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:	<ol style="list-style-type: none">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_001107181.1 , NP_001100651.1
RefSeq Size:	4605 bp
RefSeq ORF:	1818 bp
Locus ID:	304822
Cytogenetics:	13q13
MW:	67.2 kDa