

Product datasheet for **RR214587**

Pkp2 (NM_001100499) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pkp2 (NM_001100499) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pkp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214587 representing NM_001100499
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGATCCCAGGCTCACTGGGCGAGTGTGGTTACATCCGGACCGTGTGGGCCAGCAGATCTGGGTC
 ACCTGGACAGCTCCAGCCTGGCCTTGCCCTCCGAGGCCAGGCTGAGGCTAGCGGGCAGCAGCGGCCGCGG
 CGACCCGGTGGCCCGGAGCCAGCGGATCCAGGAGCAGGTGCAGCAAACCTGGCTCGCCGGGGCCGGAGC
 TCTGTAGTCGGCGGGAACCTTCACCGAACAGCAGTGTTCCTGAGTATGTCTACAAGCTGCACCTGGTTG
 AGAATGACTTTGTTGGAAGGCAGTCACTGCCGCTAGGGACTATGACATGCTTAAGGCTGGAGTGACTGC
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 AAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214587 representing NM_001100499
 Red=Cloning site Green=Tags(s)

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MAIPGSLGECGYIRTVLGGQILGHLDDSSSLALPSEARLRLAGSSGRGDPVARSQRIQEQQVQQLARRGRS
SVVGGNLHRTSSVPEYVYKHLHLVENDFVGRQSPAARDYMLKAGVTATYGSRWGRGTAQYSSQKSVEERS
WRQPLRRLLEISPDSSPERAHYGHSEYQYAWRSHVVPGGRLTLPRYARSEILGLRQTGTARRAPGCGSVSD
AVFDNGPLNPTIPTHTPPGTSHSAGSLLEETTTRVVSQARFQGLQSRAGRSSWPRSSVHSTLRESGRMLPTA
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CFGSRSRKVKEQYQDTPMPEERSSPRGIEWLWHSIVIRMYLSLIAKSSRNYTQEASLGALQNLTAGSGPI
PTSVARMVVQKENGLQHTRKMLHVGDPSVKKTAVSLLRNL SRNLSLQNEIAKETLPDLVSIIPDTPVSTD
LLIETTASACYTLNLMQNSYQNARDLLNTGGLQKIMTISIGEGYAPNKASKAASVLLLYSLWAHTELHNA
YKKAQFKKTDFVNSRTAKASHSLKD
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



ACCN: NM_001100499

ORF Size: 2385 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_001100499.1](#), [NP_001093969.1](#)

RefSeq Size: 2861 bp

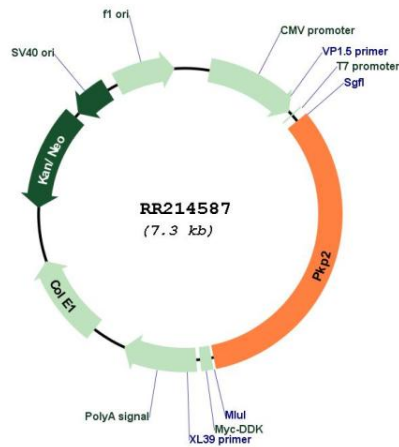
RefSeq ORF: 2388 bp

Locus ID: 287925

Cytogenetics: 11q23

MW: 87.8 kDa

Product images:



Circular map for RR214587