

## Product datasheet for **RR216367**

### Cdk6 (NM\_001191861) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk6 (NM_001191861) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdk6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216367 representing NM_001191861 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGAAGGACAGCCTGAGTCGCGCCGACCAGCAGTATGAGTGCCTGGCGGAGATCGGGGAAGGCGCT  
ACGGGAAGGTGTTCAAGGCCCGGACCTGAAGAACGGCGCGCTTCGTGGCTCTGAAGCGCTGCGAGT  
GCAGACCGGAGAGGAGGGCATGCCGCTCTCCACCATCCGCGAGGTGGCGGTGCTGAGGCACCTGGAGACC  
TTTGAGCACCCCAACGTGGTCAGGTTGTTTGACGTGTGCACAGTGTACGGACAGACAGAGAACTAAAC  
TTACGCTAGTGTTTGAGCATGTTGATCAAGACTTGACCACTTACTTGGATAAAGTTCCAGAACCCGGTGT  
GCCACAGAGACCATAAAGGATATGATGTTTCAGCTTCTCCGAGGTCTGGACTTCTCCATTCTCACAGA  
GTAGTGCATCGTGACCTGAAGCCACAGAATTCTGGTGACCAGCAGTGGACAAAATAAACTGGCTGACT  
TCGGCCTTGCCCGCATCTACAGTTTTAGATGGCCCTTACCTCGGTGGTTCGTACGCTGTGGTACCGAGC  
CCCGGAAGTCTGCTCCAGTCCAGCTACGCCACCCCGTGGACCTCTGGAGTGTGGCTGCATCTTTGCA  
GAACTGTTTCGCAGAAAGCCTCTTTTTCGTGGAAGTTCAGACGTGGATCAACTAGGGAAAATCTTGACG  
TCATCGGACTCCCAGGAGAAGAAGACTGGCCTAGGGATGTTGCTCTTCCAGACAGGCTTTTCACTCCAA  
ATCTGCCAACCCATCGAGAAGTTTGTGACAGACATCGACGAGCTAGGCAAAGACCTCCTTCTGAAATGC  
TTGACGTTTAATCCAGCTAAAAGAATATCCGCTTATGGCGCCCTGAATCACCCGTAATCTCAAGACCTGG  
AGAGATACAAGGACAACCTGCATTCTCACCTGTGTCAGCCAGAGCACCTCGGAGCTGAACACAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216367 representing NM\_001191861  
 Red=Cloning site Green=Tags(s)

MEKDSL SRADQQYECVAEIGEGAYGKVKARDLKNNGRFVALKRVRVQTGEEGMP LSTIREVAVLRHLET  
 FEHPNVVRLFDVCTVSRTDRETKLTLVFEHVDQDLTTYLDKVPPEPGVPTETIKDMMFQLLRGLDFLHSHR  
 VVHRDLKPQNILVTSSGQIKLADFLARIYSFQMALTSVVVTLWYRAPEVLLQSSYATPVDLWSVGCIFA  
 ELFRRKPLFRGSSDQDLGKILDVIGLPG EEDWPRDVALPRQAFHKSQAQPIEFVTDIDELGKDLLLKC  
 LTFNPAKRISAYGALNHPYFQDLERYKDNLHSHLSSSQSTSELNTA

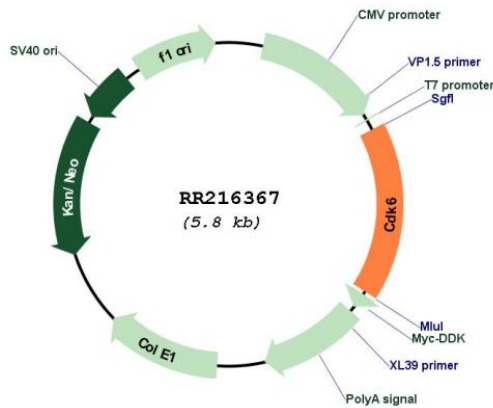
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001191861

<b>ORF Size:</b>	978 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001191861.1</a> , <a href="#">NP_001178790.1</a>
<b>RefSeq Size:</b>	1503 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	114483
<b>Cytogenetics:</b>	4q13
<b>MW:</b>	37 kDa
<b>Gene Summary:</b>	displays amplification and increased expression in the BDII rat model of endometrial cancer [RGD, Feb 2006]