

## Product datasheet for **RR206264**

### Cdk18 (NM\_001100506) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk18 (NM_001100506) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdk18
Synonyms:	PCTAIRE3; Pctk3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR206264 representing NM\_001100506  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAACAAGATGAAGAACTTCAAACGAAGGCTTCCCTGTCAAGTCCCGCCAGAGACCATTGAGGAGT  
 CATTGACCGAGTTCACCGAGCAGTTCAACCAGCTCCACACTCAGAGGAATGAGGACGGCAGGACGAACC  
 TGGGCAGCTGTCTCCGGCGTGCAGTATCAGCAACGGCAGAACCAGCGCCGATTCTCCATGGAGGACCTC  
 AACAAAGAGGCTCTCTCTGCCATGGATATCCGCCTGCCCCAGGAATTCCTGCAGAAGCTACAGCTGGAGA  
 ACCCAGGGCTGCCAAACCACTCACCCGAATGTCCCGCGTGCCTCCCTGTGAGATATCGGCTTCGGGAA  
 ACTGGAACATACGTGAAACTGGACAACTGGGGGAGGGCACCTATGCCACCGTCTTCAAGGACGCAGC  
 AAGTTGACAGAGAACCTCGTGGCCCTGAAGGAGATCCGGTTGGAACATGAGGAAGGGGCACCCTGCACTG  
 CTATTCGAGAGGTGTCTCTGCTGAAGGACCTGAAACATGCCAATATTGTGACCCTGCATGACCTCATTCA  
 CACAGATCGGTCCCTCACCTGGTGTGTTGAGTACCTGGACAGTGACCTGAAACAGTACCTAGACCCTGC  
 GGGAACTCATGAACATGCAACAAGTCAAGATTTTATGTTCCAGCTGCTCCGGGTCTGGCCTATTGCC  
 ACCGCCGCAAGATCCTACACCGGACCTGAAGCCCCAGAACCCTGCTCATCAATGAGAGGGGGAACTGAA  
 ACTGGCTGACTTTGGCCTGGCCCGGCCAAATCAGTGCCTACAAAGACCTACTCCAATGAGGTGGTGACC  
 CTCTGGTACAGGCCCCAGAGCTGCTGCTGGGATCCACGGAGTACTCCACCCCATCGACATGTGGGGCG  
 TGGGCTGCATCCTCTATGAGATGGCCACCGCAAGCCCTCTCCAGGCTCCACTGTCAAGGAGGAGTT  
 GCACCTCATCTCCGCTCCTGGGGACCTACAGAAGAGTGTGGCCAGGTGTGACATCCATCTCCGAG  
 TTTGAGCCTACAACCTCCCGGTACCTACCGCAACCGCTGCTCAGCCACGCTCCAGGTTGGATACTG  
 AAGGCATCAACCTCTGACCAGCCTCCTCTGTATGAATCCAAGAGTCGCATGTCAGAGGGCCGCTCCT  
 AAGTACCCCTACTTCCAGTCTCTCGGGGAACGAGTACACCAGCTCGATGACACTGCCTCCATCTTCTCC  
 CTGAAGGAGATCCAGCTCCAAAAGGACCCAGGCTATCGTGGCCTTGCCTTCCAGCACCCAGGGCGAGGGA  
 AGAGCCGGCGACAGAGCATCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR206264 representing NM\_001100506  
 Red=Cloning site Green=Tags(s)

MNKMKNFKRRLSLVPRPETIEESLTFEFTQFNQLHTQRNEDGRDEPGQLSPGVYQQRQNRFSMEDL  
 NKRLSLPMDIRLPQEFQLQLENPGLPKPLTRMSRRASLSDIGFGKLETYVKLDKLGEGTYATVFKGRS  
 KLTENLVALKEIRLEHEEGAPCTAIREVSLLKDLKHANIVTLHDLIHTDRSLTLVFEYLDSDLKQYLDHC  
 GNLMMHNHVKIFMFQLRGLAYCHRRKILHRDLKPQNLLINERGELKLADFLARAKSVPTKYSNEVVT  
 LWYRPPDVLLGSTEYSTPIDMWGVCILYEMATGKPLFPGSTVKEELHLIFRLLGTPTEESWPGVTSISE  
 FRAYNFPRYLPQPLLHAPRLDTEGINLLTSLLLYESKSRMSAEALSHPYFQSLGERVHQLDDTASIFS  
 LKEIQLQKDPGYRGLAFQHPGRGKSRRSQIF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

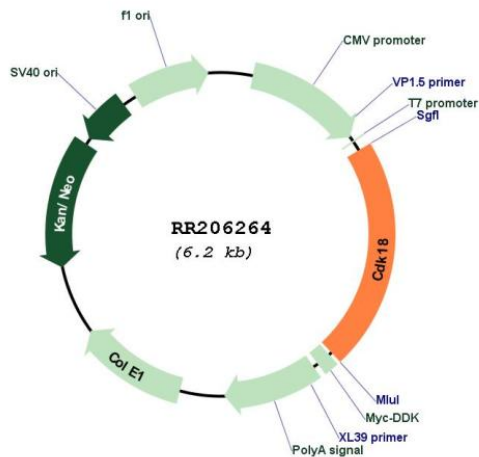
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001100506

ORF Size: 1353 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\\_001100506.1](#), [NP\\_001093976.1](#)

**RefSeq Size:** 1522 bp

**RefSeq ORF:** 1356 bp

**Locus ID:** 289019

**UniProt ID:** [O35832](#)

**Cytogenetics:** 13q13

**MW:** 51.9 kDa

**Gene Summary:** May play a role in signal transduction cascades in terminally differentiated cells.  
[UniProtKB/Swiss-Prot Function]