

## Product datasheet for **RR212690**

### **Cdk19 (NM\_001107634) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdk19 (NM_001107634) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdk19
Synonyms:	Cdc2l6; Cdk11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR212690 representing NM\_001107634  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATTATGATTCAAGGCGAAGCTGGCGCGGAGCGGGAGCGGGTGGAGGATCTGTTTGGAGTACGAAG  
 GGTGCAAAGTGGGACCGGCACCTACGGGCACGCTACAAGGCGAGGCGAAAGATGGAAAAGATGAAAA  
 GGAATATGCACCTTAAGCAAATCGAAGGCACAGGAATATCTATGTCGGCTTGTAGAGAGATTGCACCTTTG  
 AGAGAAGTGAAGCACCTAATGTGATCGCACTGCAGAAGGTGTTCTTTCTCACAGCGATAGGAAGGTGT  
 GGCTGCTGTTGACTATGCAGAACATGACCTTTGGCATATTATTAAGTTTCACCGTGCATCAAAGCAAA  
 TAAAAAGCCCATGCAGTTACCAAGATCCATGGTTAAGTCGCTGCTGTACCAGATCCTCGATGGTATCCAT  
 TACCTCCACGCAAAGTGGTGTCCACAGGACCTGAAACCAGCAAATATCCTAGTAATGGGAGAAGGTC  
 CTGAAAGGGGAGAGTCAAATAGCTGACATGGGTTTTGCCAGATTATCAATTCTCCTCTAAAGCCACT  
 TGCAGATTTGGATCCAGTAGTCGTGACATTTTGGTATCGGGCTCCAGAACTTTTACTCGGTGCCAGGCAT  
 TACACAAAGGCCATCGACATCTGGGCAATAGGCTGCATATTCGCTGAGCTTTGACTTCCGAACCCATTT  
 TCACTGTCGTCAGGAAGATATAAAAAACAAGCAATCCTTTTCATCACGATCAACTGGATCGAATATTTAG  
 TGTGATGGGGTTTCTGCAGATAAAGACTGGGAAGATATTAGAAAAATGCCAGAGTACCCAAACACTTCAA  
 AAAGACTTTTGAAGAACAACGTATGCCAACAGCAGCCTCATAAAGTACATGGAGAAACACAAGGTCAAGC  
 CTGACAGCAAAGTGTTCCTTCTGCTTCCAGAACTCCTCACCATGGATCCAACCAAGAGAATTACCTCAGA  
 GCAGGCTCTGCAGGACCTTACTTCCAGGAAGACCCCTGCCAACATTAGATGTGTTTCGCTGGCTGCCAG  
 ATTCATACCCCAAAAAGAGAGTTCTCAATGAAGTGAACCGGAAGAGAAAGGTGACAAGAACCAGCCAC  
 AGCAGCAGAACCACATCAGCAGCCTGTAGCCCCCAACAGCAGCAGCAGCCCCACACAGGCTCCTCC  
 ACCACAGCAGAGCAGTGCACAGCAATGGAACCTGCTGGGGAGCCACTACCGGTGGCGGGCCGCTGGA  
 GCCGGTCTGCAGCACAGCCAGGACTCTGGGCTGAATCAGGTGCCTCCAAACAAGAAGCCCGGATTGGGC  
 CTTCCGGTGCAAACTCAGGCGGGCTGTATGCCATCGGATTATCAGCACTCCAGTTCTCGCTGAATTA  
 CCAAAGCAGCGTTCAGGGTCTCTCAGTCCCAGGTTACCTAGGCTACTCGTCATCTCAGCAGAGTACC  
 CAGTACCACCCGTCTCACCAGGCCACCGGTAC

**ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>RR212690 representing NM\_001107634  
 Red=Cloning site Green=Tags(s)

MDYDFKAKLAAERERVEDLFEYEGCKVGRGTYGHVYKARRKDGKDEKEYALKQIEGTGISMSACREIAL  
 RELKHPNVIALQKVFLSHDRKVWLLFDYAEHDLWHIIKFHRASKANKKPMQLPRSMVKSLLYQILDGII  
 YLHANWVLRDLKPANILVMGEGPERGRVKIADMGFARLFNSPLKPLADLDPVVVTFWYRAPELLGARH  
 YTKAIDIWAIGCIFAELLTSEPIFHCRQEDIKTSNPFHHDQLDRIFSVMGFPADKDWEDIRKMPYPTLQ  
 KDFRRTTYANSSLIKYMEKHVKVPDSKVFLLLQKLLTMDPTKRITSEQALQDPYFQEDPLPLDVFAGCQ  
 IPYPKREFLNEDEPEEKGDKNPQQQNPHQQPVAPQQQAAAPTQAPPPQQSSAQTNGTAGGATTGGGAAG  
 AGLQHSQDSGLNQVPPNKKPRIGPSGANSGGPVMPSDYQHSSRLNYQSSVQSSSQSGTLGYSSSQST  
 QYHPHQAHRY

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

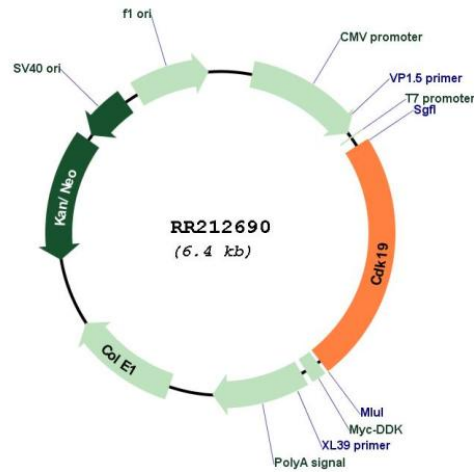
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001107634

**ORF Size:** 1503 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\\_001107634.1](#), [NP\\_001101104.1](#)

**RefSeq Size:** 5776 bp

**RefSeq ORF:** 1506 bp

**Locus ID:** 309804

**Cytogenetics:** 20q12

**MW:** 56.6 kDa