

## Product datasheet for **MR217921**

### **Cdk18 (NM\_008795) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdk18 (NM_008795) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdk18
Synonyms:	AA682070; Ctk18; Pctk3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR217921 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACAAGATGAAGAACTTCAAGCGAAGGCTTCCCTGTCCGTGCCCGCCAGAGACCATTGAGGAGT  
 CGTTGGCTGAGTTCAGTACTGAGCAGTTCAACCAACTCCACACTCAGACGAATGAGGATGGCAGATGAGCC  
 TGAGCAGCTGTCTCCTGGCATGCAGTATCAACAACGGCAGAACCCAGCGCCGATTCTCCATGGAGGACCTC  
 AACAAAGAGGCTCTCTCTGCCATGGACATCCGCCTACCCAGGAATTCCTGCAGAAGCTACAGCTGGAGA  
 ACCCAGGGCTGCCAAGCCTCTCACCCGCATGTCCCGCCGTGCCTCCCTGTGAGATATCGGCTTTGGGAA  
 ACTGGAACATATGTGAAACTGGACAACTGGGGGAGGGTACCTATGCCACCGTCTTCAAGGACGCAGC  
 AAGCTGACAGAGAACCTCGTGGCCCTGAAGGAGATCCGGCTGGAGCATGAGGAAGGGGCGCCCTGCACTG  
 CTATTCGAGAGGTGTCTCTGCTGAAGGACCTGAAACACGCCAATATTGTGACCCTGCATGACCTCATTCA  
 CACAGATCGGTCCCTCACCTGGTGTGTTGAGTACCTGGACAGTGACCTGAAACAGTACCTAGACCCTGT  
 GGGAACTCATGAACATGCACAATGTCAAGATATTCATGTTCCAGCTGTCCGGGGTCTGGCCTACTGCC  
 ACCACCGCAAGATCCTGCACCGGACCTGAAGCCCCAGAACCTACTCATCAATGAGAGGGGCGAGCTGAA  
 GCTGGCCGACTTTGGCCTGGCCCGGCCAAATCAGTGCCTACAAAGACCTATTCCAATGAGGTGGTGACC  
 CTCTGGTACAGGCCCCAGATGTGCTGCTGGGATCCACAGAGTACTCCACCCCAATTGACATGTGGGGCG  
 TGGGCTGCATCCTCTATGAGATGGCCACCGCAAGCCCTCTTCCCGGGTCTACTGTCAAGGAGGAGTT  
 GCACCTCATCTCCGCTCCTAGGGACCTACAGAAGAGTGTGGCCGGGTGTGACGTCCATCTCTGAG  
 TTTGAGCCTACAACCTCCCGGATACCTACCACAGCCACTGCTCAGCCACGCCCCAGGTTGGATACTG  
 AAGGCATCAACCTCCTGAGCAGCCTCCTCTGTATGAATCCAAGAGTCGCATGTGACGAGGACGCCCT  
 CAATCACCCCTACTTCCAGTCTCTCGGAGACCGAGTTCATCAGCTCCATGACACTGCCTCCATCTTCTCC  
 CTGAAGGAGATCCAGCTCCAAAAGGACCCAGGCTATCGTGGCCTGGCCTTCCAGCACCCAGGGCGAGGGA  
 AGAGCCGGCGGCAGAGCATCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217921 protein sequence  
 Red=Cloning site Green=Tags(s)

MNKMKNFKRRLSLVPRPETIEESLAEFTEQFNQLHTQTNEDGTDEPEQLSPGMQYQQRQNRFSMEDL  
 NKRLSLPMDIRLPQEFLLQKLQLENPGLPKPLTRMSRRASLSDIGFKLETYVKLDKLGEGTYATVFKGRS  
 KLTENLVALKEIRLEHEEGAPCTAIREVSLLKDLKHANIVTLHDLIHTDRSLTLVFEYLDSDLKQYLDHC  
 GNLMMHNVKIFMFQLLRGLAYCHHRKILHRDLKPQNLLINERGELKLADFLARAKSVPTKTYNSNEVVT  
 LWYRPPDVLLGSTYEYTPIDMWGVCILYEMATGKPLFPGSTVKEELHLIFRLLGTPTEESWPVTSISE  
 FRAYNFPRYLPQPLL SHAPRLDTEGINLLSSLLLYESKSRMSAEALNHPYFQSLGDRVHQLHDTASIFS  
 LKEIQLQKDPGYRGLAFQHPGRGKSRRQSIF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_008795

**ORF Size:** 1356 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

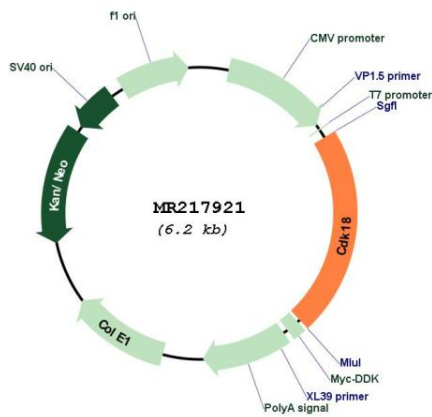
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_008795.2, NP\\_032821.1](#)  
**RefSeq Size:** 3061 bp  
**RefSeq ORF:** 1356 bp  
**Locus ID:** 18557  
**UniProt ID:** [Q04899](#)  
**Cytogenetics:** 1 E4  
**MW:** 51.8 kDa  
**Gene Summary:** May play a role in signal transduction cascades in terminally differentiated cells. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR217921