

Product datasheet for **RR205201**

Clk3 (NM_134340) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clk3 (NM_134340) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clk3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR205201 representing NM_134340
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCATCACTGTAAGCGATACCGTTCCCCAGAGCCAGACCCATACCTGAGCTACCGCTGGAAGAGGAGGC
 GGTCTTACAGTCGGGAGCATGAAGTTCGACTACGATACCCATCCCGAAGGGAGCCTCCCCACGGAGATC
 AAGGTCCAGAAGCCATGATCGTATACCTACCAGAGGAGGTACCGGGAACACCGAGACAGCGATACATAT
 CGGTGTGAAGAGCGGAGCCCATCCTTTGGAGAGGACTGCTATGGGTCTTCACGTTCTCGACATCGGAGAC
 GGTACAGAGAGGGGGCCGTACCGTACACGCAAGCATGCCACCACTGTCACAAACGTCGTACCAGGTC
 TTGTAGCAGCGCCTCTCGAGAAGCCAACAGAGCAGTAAGCGCAGCAGCCGGAGTGTGGAAGATGACAAG
 GAGGGCCACCTGGTGTGCCGGATCGCGATTGGCTCCAAGAGCGATATGAGATCGTGGGGAACCTGGGTG
 AAGGCACCTTTGGCAAGGTGGTGGAGTGTGGACCATGCCAGAGGGAAGTACAGGTTGCCCTGAAGAT
 CATCCGTAATGTGGGCAAGTACCGGGAAGCTGCTCGTCTAGAAATTAATGTTCTCAAGAAAATCAAGGAG
 AAAGACAAAGAAAATAAGTTCCTTTGTGTCTGATGTCTGACTGGTTCAACTTCCATGGTCATATGTGTA
 TCGCCTTTGAGCTCCTGGCAAGAACACCTTTGAGTTCCTGAAGGAGAACAACCTCCAGCCTTATCCCTT
 ACCACATGTCCGGCAGATGGCCTACCAGCTCTGTATGCCCTTAGATTTCTACATGAGAACCAGCTGACC
 CACACAGACTTGAAGCCAGAGAACATCTTGTGTTGTAATTCTGAGTTTGAACCCCTTACAATGAGCACA
 AGAGCTGCGAGGAGAAGTCAAGTGAAGAACCAGCATCCGAGTGGCAGACTTTGGCAGTCCACATTTGA
 CCATGAACATCACACCACATTGTGCCACCCGGCATTACCGCCACCTGAGGTGATCCTTGAGCTGGGC
 TGGGCACAGCCCTGTGATGTCTGGAGTATCGGCTGCATTCTTTGAGTACTACCGTGGCTTTACACTCT
 TCCAGCCCATGAAAACAGAGAACACTTGGTTATGATGGAGAAGATCCTAGGACCCATCCCACACAT
 GATCCACCGTACCAGGAAGCAGAAGTATTCTACAAGGGGGCCTGGTTTGGGATGAGAACAGCTCTGAC
 GGGCGGTATGTGAAGGAGAACTGCAACCTCTGAAGAGTTACATGCTCCAGGACTCCCTGGAGCATGTGC
 AGCTGTTTGACCTGATGAGGAGGATGTTAGAGTTCGACCCGCTCTCAGCGCATCACACTGGCAGAAGCTTT
 GCTGCACCCCTTCTTTGCTGGCCTGACCCTGAGGAGCGGTCTTCCACAGCAGCCGTAACCCAGCAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205201 representing NM_134340
 Red=Cloning site Green=Tags(s)

MHHCKRYRSPDPYLSYRWKRRRSYSREHEGRLRYPSRREPPRRSRSRSHDRIPYQRRYREHRSDTY
 RCEERSPSFGEDCYGSSRSRHRRRSRERGPYRTRKHAAHCHKRRTRSCSSASSRSQSSKRSSRSVEDDK
 EGHLVCRIGDWLQERYEIVGNLGEFTFGKVVECLDHARGKSQVALKIIRNVGKYREARLEINVLKKIKE
 KDKENKFLCVLMSDFNFGHMCIAFELLGKNTFEFLKENNFQPYPLPHVRHMAYQLCHALRFLHENQLT
 HTDLKPENILFVNSEFETLYNEHKSCEEKSVKNTSIRVADFGSATFDHEHHTTIVATRHYRPPPEVILELG
 WAQPCDVWSIGCILFEYYRGFTLFQTHENREHLVMEKILGPIPSHMIHRTRKQKYFYKGLVWDENSSD
 GRYVKENCKPLKSYMLQDSLEHVQLFDLMRRMLEFDPSQRITLAEALLHPFFAGLTPEERSFHSSRNPSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

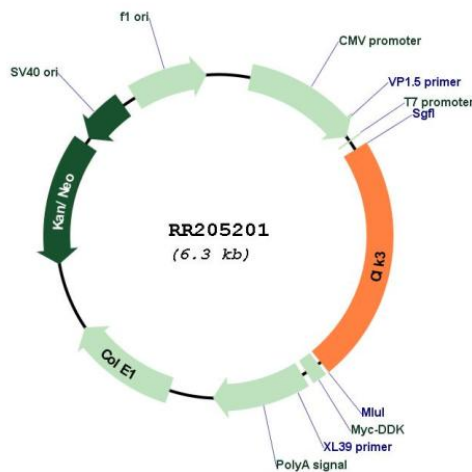
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_134340

ORF Size: 1470 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_134340.1](#), [NP_599167.1](#)

RefSeq Size: 1759 bp

RefSeq ORF: 1473 bp

Locus ID: 171305

UniProt ID: [Q63117](#)

Cytogenetics: 8q24

MW: 58.5 kDa

Gene Summary: has autophosphorylation activity; may play a role in testicular function [RGD, Feb 2006]