

Product datasheet for **RC200489**

CLK3 (NM_003992) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLK3 (NM_003992) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLK3
Synonyms:	PHCLK3; PHCLK3/152
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC200489 representing NM_003992
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGCATCACTGTAAGCGATACCGCTCCCCTGAACCAGACCCGTACCTGAGCTACCGATGGAAGAGGAGGA
 GGTCTACAGTCGGGAACATGAAGGGAGACTGCGATACCCGTCCCGAAGGGAGCCTCCCCACGAAGATC
 TCGGTCCAGAAGCCATGACCGCCTGCCCTACCAGAGGAGGTACCGGGAGCGCCGTGACAGCGATACATAC
 CGGTGTGAAGAGCGGAGCCCATCCTTTGGAGAGGACTACTATGGACCTTCACGTTCTCGTCATCGTCGGC
 GATCGGGGAGAGGGGCCATACCGGACCCGCAAGCATGCCACCACTGCCACAAACGCCGACCAGGTC
 TTGTAGCAGCGCCTCTCGAGAAGCCAACAGAGCAGTAAGCGCAGCAGCCGGAGTGTGGAAGATGACAAG
 GAGGGTCACCTGGTGTGCCGGATCGCGATTGGCTCCAAGAGCGATATGAGATTGTGGGAACTGGGTG
 AAGGCACCTTTGGCAAGGTGGTGGAGTGTGGACCATGCCAGAGGGAAGTCTCAGTTGCCCTGAAGAT
 CATCCGCAACGTGGGCAAGTACCGGGAGGCTGCCCGCTAGAAATCAACGTGCTCAAAAAATCAAGGAG
 AAGGACAAAGAAAACAAGTTCCTGTGTCTTGTGTCTGACTGGTTCAACTTCCACGGTCACATGTGCA
 TCGCCTTTGAGCTCCTGGCAAGAACACCTTTGAGTTCCTGAAGGAGAATAAATTCCAGCCTTACCCCT
 ACCACATGTCCGGCACATGGCCTACCAGCTCTGCCACGCCCTTAGATTTCTGCATGAGAATCAGCTGACC
 CATAAGACTTGAACCAGAGAACATCCTGTTTGTGAATTCTGAGTTTGAACCCCTTACAATGAGCACA
 AGAGCTGTGAGGAGAAGTCAGTGAAGAACCAGCATCCGAGTGGCTGACTTTGGCAGTGCCACATTTGA
 CCATGAGCACCACACCACATTGTGGCCACCCGCTACTATCGCCCGCCTGAGGTGATCCTTGAGCTGGGC
 TGGGCACAGCCCTGTGAGTCTGGAGCATTGGCTGCATTCTTTGAGTACTACCGGGGCTTCACACTCT
 TCCAGCCACGAAAACCGAGAGCACCTGGTGTGATGAGGAGAAGATCCTAGGGCCATCCCACACAT
 GATCCACCGTACCAGGAAGCAGAAATATTTCTACAAAGGGGGCCTAGTTTGGGATGAGAACAGCTCTGAC
 GGCCGGTATGTGAAGGAGAACTGCAAACCTCTGAAGAGTTACATGCTCCAAGACTCCCTGGAGCAGTGC
 AGCTGTTTGACCTGATGAGGAGGATGTTAGAATTTGACCTGCCAGCGCATCAGCTGGCCGAGGCCCT
 GCTGCACCCCTTCTTTGCTGGCCTGACCCTGAGGAGCGGTCTTCCACACCAGCCGCAACCCAAGCAGA

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

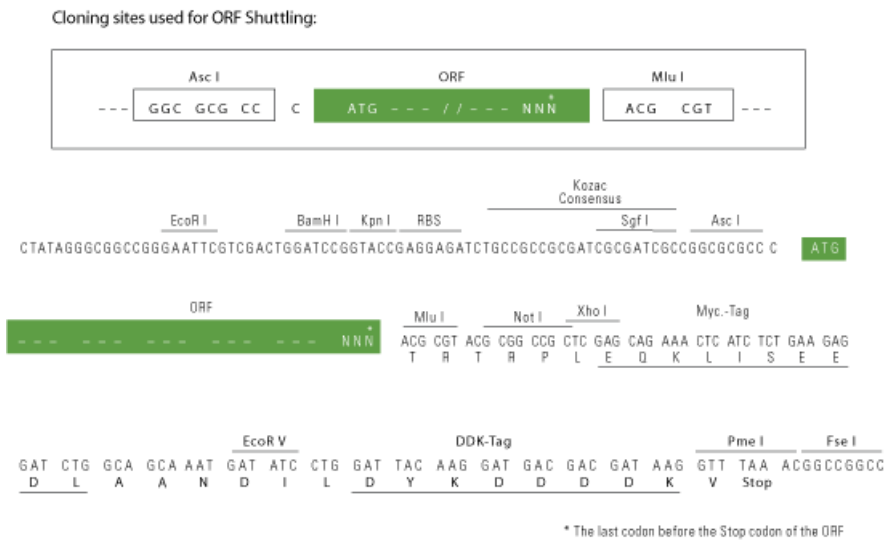
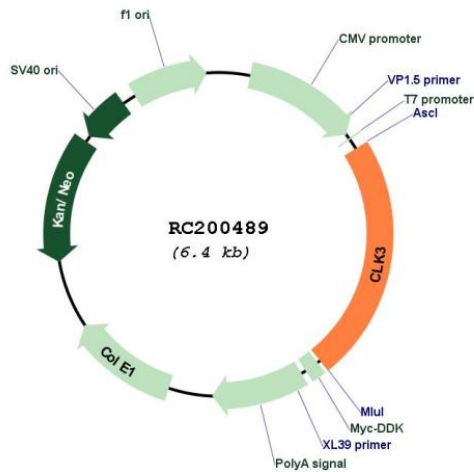
>RC200489 representing NM_003992
 Red=Cloning site Green=Tags(s)

MHHCKRYRSPDPYLSYRWKRRRSYSREHEGRLRYPSRREPPRRSRSRSHDRLPYQRRYRERRSDTY
 RCEERSPSFGEDYYGPSRSRHRRRSRERGPYRTRKHAHHCHKRRTRSCSSASSRSQSSKRSSRSVEDDK
 EGHLVCRIGDWLQERYEIVGNLGEFTGKVVVECLDHARGKSQVALKIIRNVGKYREARLEINVLKIKE
 KDKENKFLCVLMSDFNFGHMCIAFELLGKNTFEFLKENNFQPYPLPHVRHMAYQLCHALRFLHENQLT
 HTDLKPENILFVNSEFETLYNEHKSCEEKSVKNTSIRVADFGSATFDHEHHTTIVATRHYRPPVILELG
 WAQPCDVWSIGCILFEYYRGFTLFQTHENREHLVMMEKILGPIPSHMIHRTRKQKYFYKGLVWDENSSD
 GRYVKENCKPLKSYMLQDSLEHVQLFDLMRRMLEFDPAQRITLAEALLHPFFAGLTPEERSFHTSRNPSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

AscI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_003992

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:	<ol style="list-style-type: none">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_003992.4 , NP_003983.2
RefSeq Size:	1762 bp
RefSeq ORF:	1473 bp
Locus ID:	1198
UniProt ID:	P49761
Cytogenetics:	15q24.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
MW:	58.4 kDa
Gene Summary:	<p>This gene encodes a protein belonging to the serine/threonine type protein kinase family. This protein is a nuclear dual-specificity kinase that regulates the intranuclear distribution of the serine/arginine-rich (SR) family of splicing factors. Two transcript variants encoding different isoforms have been found for this gene. Related pseudogenes are located on chromosomes 1 and 9. [provided by RefSeq, Jul 2008]</p>