

Product datasheet for **RC216519**

CDC2L1 (CDK11B) (NM_033488) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC2L1 (CDK11B) (NM_033488) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDC2L1
Synonyms:	CDC2L1; CDK11; CDK11-p46; CDK11-p58; CDK11-p110; CLK-1; p58; p58CDC2L1; p58CLK-1; PK58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC216519 representing NM_033488
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGAGTCTGATGACCGGGATTCCAAGCGGGATTCCCTTGAGGAGGGGGAGCTGAGAGATCACCGCA
 TGGAGATCACAATAAGGAACTCCCGTATAGAAGAGAAGACTCTATGGAAGACAGAGGAGAAGAAGATGA
 TTCTTTGGCCATCAAACACCCAGCAAATGTCTCGGAAAAGAAAAGTTCATCACAGAAAAGATGAAAAG
 AGAAAAGAGAAAAGCATGCTAGAGTGAAGAAAAGAAAAGAGAGCACGAACGTCGGAAAACGACATCGAG
 AAGAACAGGATAAAGCTCGCCGGGAATGGGAAAGACAGAAGAGAAGGAAATGGCAAGGGAGCATTCCAG
 GAGAGAAAAGGACCGCTTGGAGCAGTTAGAAAAGGAAGCGGGAGCGGGAGCGCAAGATGCGGGAGCAGCAG
 AAGGAGCAGCGGGAGCAGAAGGAGCGGAGCGGGCGGGAGGAGCGGCGCAAGGAGCGGGAGGCCCGCA
 GGAAGTGTCTGCACATCACGAACGATGAGAGAGGACTACAGCGACAAAGTAAAAGCCAGCCACTGGAG
 TCGCAGCCCGCTCGGCCCGCGGGAGCGGTTTCGAGTTGGGAGACGGCCGGAAGCCAGTAAAAGAAGAG
 AAAATGGAAGAAAAGGACCTGTGTCCGACTTACAGGACATCAGCGACAGCGAGAGGAAGACCAGCTCGG
 CCGAGTCTCGTCAGCAGAATCAGGCTCAGGTTCTGAGGAAGAAGAGGAGGAGGAGGAAGAGGAGGAGGA
 GGAAGGGAGCACCACTGAAGAATCAGAGGAGGAGGAGGAGGAAGAGGAAGAGGAGGAGGAGGAGACCGGC
 AGCAACTCTGAGGAGGCATCAGAGCAGTCTGCCAAGAAGTAAGTGAAGGAAGAAATGAGTGAAGATGAAG
 AACGAGAAAATGAAAACACCTCTTGGTTGTTCCAGAGTACGGTTCGACCGAGATTCCGGGGAGAGTGA
 AGAAGCAGAGGAAGAAGTGGGTGAGGAAACCGCCAGAGCAGCGCCCTGACAGAGGGCGACTATGTGCC
 GACTCCCCTGCCCTGTGCCCCATCGAGCTCAAGCAGGAGCTGCCCAAGTACCTGCCGGCCCTGCAGGGCT
 GCCGGAGCGCTCGAGGAGTCCAGTGCCTGAACAGGATCGAGGAGGGCACCTATGGAGTGGTCTACAGAGC
 AAAAGACAAGAAAACAGATGAAATTGTGGCTCTAAAGCGGCTGAAGATGGAGAAGGAGAAGGAGGGCTTC
 CCGATCACGTCGCTGAGGAGATCAACACCATCCTCAAGGCCAGCATCCCAACATCGTACCCGTTAGAG
 AGATTGTTGGTGGGAGCAACATGGACAAGATCTACATCGTATGAACTATGTGGAGCACGACCTCAAGAG
 CCTGATGGAGACCATGAAACAGCCCTTCTGCCAGGGGAGGTGAAGACCCTGATGATCCAGCTGTGCGT
 GGGGTGAAACACCTGCACGACAACCTGGATCCTGCACCGTGACCTCAAGACGTCCAACCTGCTGCTGAGCC
 ACGCCGGCATCCTCAAGGTGGGTGACTTCGGGCTGGCGCGGGAGTACGGATCCCCTCTGAAGGCCTACAC
 CCCGGTGTGGTACCCTGTGGTACCGCGCCCCAGAGCTGCTGCTTGGTGCCAAGGAATACTCCACGGCC
 GTGGACATGTGGTCAAGTGGTTCATCTTCGGGGAGCTGCTGACTCAGAAGCCTCTGTTCCCGGGAAGT
 CAGAAATCGATCAGATCAACAAGGTGTTCAAGGATCTGGGGACCCCTAGTGAGAAAATCTGGCCCGGCTA
 CAGCGAGCTCCCAGCAGTCAAGAAGATGACCTTCAGCGAGCACCCCTACAACAACCTCCGCAAGCGCTTC
 GGGGCTCTGCTCTCAGACCAGGGCTTCGACCTCATGAACAAGTTCCTGACCTACTTCCCGGGAGGAGGA
 TCAGCGCTGAGGACGGCCTCAAGCATGAGTATTTCCGCGAGACCCCTCCCATCGACCCCTCCATGTT
 CCCACGTGGCCCGCAAGAGCGAGCAGCAGCGTGTGAAGCGGGGACCAGCCCGAGGCCCTGAGGGA
 GGCCTGGGCTACAGCCAGCTGGGTGACGACGACCTGAAGGAGACGGGCTTCCACCTTACCACCACGAACC
 AGGGGGCTCTGCCGCGGGCCCCGGCTTACGCTCAAGTTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATGAGTTTAA

Protein Sequence: >RC216519 representing NM_033488
Red=Cloning site Green=Tags(s)

MSQSDDRDSKRDLSLEEGELRDHRMEITIRNSPYRREDSMEDRGEEDDSLAIKPPQQMSRKEKVHHRKDEK
RKEKKHARVKEKEREHERRKRHREEQDKARREWQKRREMAHRSRRERDRLEQLERKRERERKMREQQ
KEQREQKERERRAEERRKEREARREVSAAHRTMREDYSDKVKASHWSRSPRPPRERFELGDGRKPVKEE
KMEERDLLSDLQDISDERKTSSAESSSAESGSGSEEEEEEEEEEGSTSEESEEEEEEEEEEEEEETG
SNSEEEASEQSAEEVSEEESEDEERENENHLLVVPESRFDRDSGESEEAEEEEVGEQTPQSSALTEGDYVP
DSPALSPIELKQELPKYLPALQGCRSVEEFQCLNRIIEEGTYGVVYRAKDKKTDEIVALKRLKMEKEKEGF
PITSLREINTILKAQHPNIVTVREIVVGSNMDKIYIVMNYVEHDLKSLMETMKQPFLPGEVKTLMIQLLR
GVKHLHDNWILHRDLKTSNLLLSHAGILKVGDFGLAREYGSPLKAYTPVVVTLWYRAPELLLGAKEYSTA
VDMWSVGCIFGELLTQKPLFPKSEIDQINKVFKDLGTPSEKIWPGYSELPAVKKMTFSEHPYNNLRKRF
GALLSDQGFDMNKFLTYFPGRRISAEDGLKHEYFRETPLPIDPSMFPTWPAKSEQQRVVRGTSPRPEEG
GLGYSQLGDDDLKETGFHLTTTNQGASAAGPGFSLKF

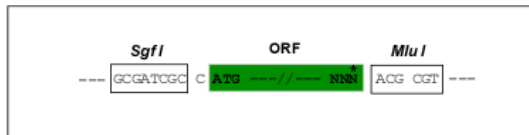
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_033488

ORF Size: 2211 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_033488.1](#), [NP_277023.1](#)

RefSeq Size: 2500 bp

RefSeq ORF: 2213 bp

Locus ID: 984

Cytogenetics: 1p36.33

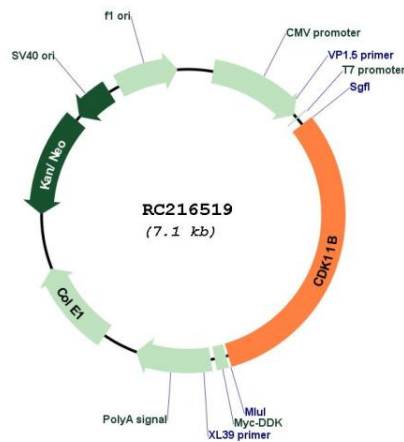
Domains: pkinase

Protein Families: Druggable Genome, Transcription Factors

MW: 85.7 kDa

Gene Summary: This gene encodes a member of the serine/threonine protein kinase family. Members of this kinase family are known to be essential for eukaryotic cell cycle control. Due to a segmental duplication, this gene shares very high sequence identity with a neighboring gene. These two genes are frequently deleted or altered in neuroblastoma. The protein kinase encoded by this gene can be cleaved by caspases and may play a role in cell apoptosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RC216519