

Product datasheet for **RC222039**

CDC2L1 (CDK11B) (NM_033487) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC2L1 (CDK11B) (NM_033487) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDC2L1
Synonyms:	CDC2L1; CDK11; CDK11-p46; CDK11-p58; CDK11-p110; CLK-1; p58; p58CDC2L1; p58CLK-1; PITSLREA; PK58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC222039 representing NM_033487
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGAAAGGGACCTGCTGTCCGACTTACAGGACATCAGCGACAGCGAGAGGAAGACCAGCTCGGCCG
 AGTCTCGTCAGCGGAATCAGGCTCAGGTTCTGAGGAAGAAGAGGAGGAGGAGGAAGAGGAGGAGGAGGA
 AGGGAGCACCAAGTGAAGAATCAGAGGAGGAGGAGGAGGAAGAGGAAGAGGAGGAGGAGGAGACCGCAGC
 AACTCTGAGGAGGCATCAGAGCAGTCTGCCAAGAAGTAAAGTGAAGAAAGTAAAGTGAAGTGAAGAAC
 GAGAAAATGAAAACACCTCTTGGTGTGTTCCAGAGTACAGGTTCCGACCGAGATCCGGGGAGAGTGAAGA
 AGCAGAGGAAGAAGTGGGTGAGGAAACGCCGAGAGCAGCGCCCTGACAGAGGGCGACTATGTGCCCGAC
 TCCCTGCCCTGTCGCCATCGAGCTCAAGCAGGAGCTGCCCAAGTACCTGCCGGCCCTGCAGGGCTGCC
 GGAGCGTCGAGGAGTCCAGTGCCTGAACAGGATCGAGGAGGGCACCTATGGAGTGGTCTACAGAGCAA
 AGACAAGAAAACAGATGAAATTTGGTCTAAAGCGGCTGAAGATGGAGAAGGAGAAGGAGGGCTTCCCG
 ATCACGTCGTCGAGGAGATCAACACCATCCTCAAGGCCAGCATCCCAACATCGTCACCGTTAGAGAGA
 TTGTGGTGGGCAGCAACATGGACAAGATCTACATCGTGATGAACTATGTGGAGCACGACCTCAAGAGCCT
 GATGGAGACCATGAAACAGCCCTTCTGCCAGGGGAGGTGAAGACCTGATGATCCAGCTGCTGCGTGGG
 GTGAAACACCTGCACGACAACCTGGATCCTGCACCGTGACCTCAAGACGTCCAACCTGCTGCTGAGCCACG
 CCGGCATCCTCAAGGTGGGTGACTTCGGGCTGGCGCGGGAGTACGGATCCCTCTGAAGGCCACACCCC
 GGTCGTGGTGACCCTGTGGTACCGCGCCCCAGAGCTGCTGCTTGGTGCCAAGGAATACTCCACGGCCGTG
 GACATGTGGTCAGTGGTTCATCTTCGGGGAGCTGCTGACTCAGAAGCCTCTGTTCCCGGGGAAGTCA
 AAATCGATCAGATCAACAAGGTGTTCAAGGATCTGGGGACCCCTAGTGAGAAAATCTGGCCCGCTACAG
 CGAGTCCAGCAGTCAAGAAGATGACCTTACGCGAGCACCCCTACAACAACCTCCGCAAGCGCTTCGGG
 GCTCTGCTCTCAGACCAGGGCTTCGACCTCATGAACAAGTTCCTGACCTACTTCCCGGGAGGAGGATCA
 GCGCTGAGGACGGCCTCAAGCATGAGTATTTCCGCGAGACCCCTCCCATCGACCCCTCCATGTTCCC
 CACGTGGCCCGCAAGAGCGAGCAGCAGCGTGTGAAGCGGGCCAGCCCGAGGCCCTGAGGGAGGC
 CTGGGCTACAGCCAGCTGGGTGACGACGACCTGAAGGAGACGGGCTTCCACCTTACCACCACGAACCAGG
 GGGCTCTGCCGCGGGCCCGGCTTCAGCTCAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222039 representing NM_033487
 Red=Cloning site Green=Tags(s)

MEERDLLSDLQDISDSERKTSSAESSAESGSGSEEEEEEEEEEEEEEGSTSEEEEEEEEEEEEEETGS
 NSEEASEQSAEEVSEEMSEDEERENENHLLVVPESRFRDRSGESEEAEVVEGEGTPQSSALTEGDYVVD
 SPALSPIELKQELPKYLPALQGCRSVEEFQCLNRIEEGTGTVVYRAKDKKTDIEIVALKRLKMEKEKEGFP
 ITSLREINTILKAQHPNIVTVREIVVGSNMDKIYIVMNYVEHDLKSLMETMKQPFLPGEVKTLMIQLLRG
 VKHLHDNWIHRDLKTSNLLL SHAGILKVGDFGLAREYGSPLKAYTPVVVTLWYRAPELLLGAKEYSTAV
 DMWSVGCIFGELLTQKPLFPGKSEIDQINKVFKDLGTPSEKIWPYSELPAVKKMTFSEHPYNNLRKRF
 ALLSDQGFDMNKFLTYFPGRRISAEDGLKHEYFRETPLPIDPSMFPWPAKSEQQRVKRGTSPRPPEG
 LGYSQLGDDDLKETGFHLTTTNQGASAAGPGFSLKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg4557_a04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_033487

ORF Size: 1578 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 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).

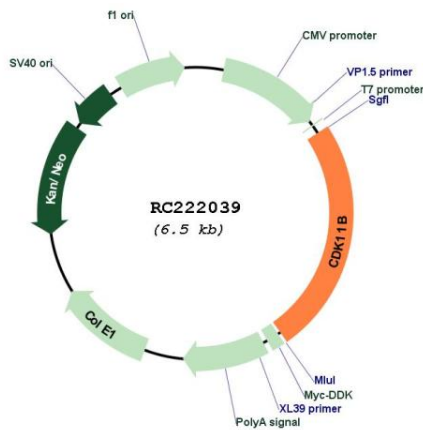
- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_033487.3](#)

RefSeq Size: 2226 bp
RefSeq ORF: 1581 bp
Locus ID: 984
UniProt ID: [P21127](#)
Cytogenetics: 1p36.33
Domains: pkinase, TyrKc, S_TKc
Protein Families: Druggable Genome, Transcription Factors
MW: 59.1 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 RC222039