

Product datasheet for **RC216575**

CDC2L1 (CDK11B) (NM_033489) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC2L1 (CDK11B) (NM_033489) 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:

>RC216575 representing NM_033489
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGAGTCTGATGACCGGGATTCCAAGCGGGATTCCCTTGAGGAGGGGGAGCTGAGAGATCACCGCA
 TGGAGATCACAATAAGGAACTCCCGTATAGAAGAGAAGACTCTATGGAAGACAGAGGAGAAGAAGATGA
 TTCTTTGGCCATCAAACCACCCAGCAAATGTCTCGGAAAAGAAAAGTTCATCACAGAAAAGATGAAAAG
 AGAAAAGAGAAACGTAGGCATCGTAGCCATTCAGCAGAAGGGGGGAAGCATGCTAGAGTGAAGAAAAG
 AAAGAGAGCACGAACGTCGGAACGACATCGAGAAGAACAGGATAAAGCTCGCCGGGAATGGGAAAGACA
 GAAGAGAAGGGAAATGGCAAGGGAGCATTCCAGGAGAGAAAGGGACCGCTTGAGCAGTTAGAAAGGAAG
 CGGGAGCGGGAGCGCAAGATGCGGGAGCAGCAGAAGGAGCAGCGGGAGCAGAAGGAGCGCGAGCGCGGG
 CGGAGGAGCGGCCAAGGAGCGGGAGGCCCGCAGGGAAGTGTCTGCACATCACCGAACGATGAGAGAGGA
 CTACAGCGACAAAGTGAAGCCAGCCACTGGAGTCGCAGCCCGCTCGGCCGCCGGGAGCGGTTCCGAG
 TTGGGAGACGGCCGGAAGCCAGTAAAAGAAGAGAAAATGGAAGAAAGGGACCTGCTGTCCGACTTACAGG
 ACATCAGCGACAGCGAGAGGAAGACCAGCTCGGCCGAGTCTCGTCAGCAGAATCAGGCTCAGGTTCTGA
 GGAAGAAGAGGAGGAGGAGGAAGAGGAGGAGGAGGAAGGGAGCACCAGTGAAGAATCAGAGGAGGAGGAG
 GAGGAAGAGGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 AAGTAAGTGAGGAAGAAATGAGTGAAGTGAAGAACGAGAAAAATGAAAACCACCTCTTGGTTGTTCCAGA
 GTCACGGTTCGACCGAGATTCGGGGAGAGTGAAGAAGCAGAGGAAGAAGTGGGTGAGGGAACGCCCGAG
 AGCAGCGCCCTGACAGAGGGCGACTATGTGCCCGACTCCCCTGCCCTGTGCCCCATCGAGCTCAAGCAGG
 CGGTGCCAAGTACCTGCCCGCCCTGCAGGGCTGCCGGAGCGTCGAGGAGTCCAGTGCCTGAACAGGAT
 CGAGGAGGGCACCTATGGAGTGGTCTACAGAGCAAAAAGACAAGAAAACAGATGAAATTGTGGCTCTAAAG
 CGGCTGAAGATGGAGAAGGAGAAGGAGGCTTCCCGATCACGTCGCTGAGGGAGATCAACACCATCTCTCA
 AGGCCAGCATCCCAACATCGTCACCGTTAGAGAGATTGTGGTGGCAGCAACATGGACAAGATCTACAT
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 GAGGTGAAGACCCTGATGATCCAGCTGCTGCGTGGGGTGAACACCTGCACGACAACCTGGATCCTGCACC
 GTGACCTCAAGACGTCCAACCTGCTGCTGAGCCACGCCGCATCCTCAAGGTGGGTGACTTCGGGCTGGC
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 CTGCTGCTTGGTCCCAAGGAATACTCCACGGCCGTGGACATGTGGTCAAGTGGGTTGCATCTTCGGGGAGC
 TGCTGACTCAGAAGCCTCTGTTCCCGGGAAGTCAAGAAATCGATCAGATCAACAAGGTGTTCAAGGATCT
 GGGGACCCTAGTGAGAAAATCTGGCCCGCTACAGCGAGCTCCAGCAGTCAAGAAGATGACCTTCAGC
 GAGCACCCCTACAACAACCTCCGCAAGCGCTTCGGGGCTCTGCTCTCAGACCAGGGCTTCGACCTCATGA
 ACAAGTTCCTGACCTACTTCCCGGGAGGAGGATCAGCGCTGAGGACGGCCTCAAGCATGAGTATTTCCG
 CGAGACCCCTCCCATCGACCCTCCATGTTCCCGACGTGGCCCGCAAGAGCGAGCAGCAGCGTGTG
 AAGCGGGCACCAGCCGAGGCCCTGAGGGAGGCTGGGCTACAGCCAGCTGGGTGACGACGACCTGA
 AGGAGACGGGCTTCCACCTTACCACCACGAACAGGGGGCCTCTGCCCGGGCCCCGGCTTACGCTCAA
 GTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC216575 representing NM_033489
Red=Cloning site Green=Tags(s)

MSQSDDRDSKRDLSLEEGELRDHRMEITIRNSPYRREDSMEDRGEEDSLAIKPPQQMSRKEKVHHRKDEK
RKEKRRHRSHSAEGGKHARVKEKEREHERRKRHREEQDKARREWQRKRREMAHRSRRERDRLEQLERK
RERERKMREQQKEQREQERERRAEERRKEREARREVSAAHRTMREDYSDKVKASHWSRSPRPPRERFE
LGDGRKPVKEEKMEERDLLSDLQDISDSEKRTSSAESSSAESGSGSEEEEEEEEEEGSTSEEEEE
EEEEEEEEETGSNSEEASEQSAEEVSEEESEDEERENENHLLVVPESRFDRDSGESEEAEEVGEETPQ
SSALTEGDYVPDSPAISPIELKQELPKYLPALQGCRSVEEFQCLNRIIEGTYGVVYRAKDKKTDEIVALK
RLKMEKEKEGFPITSLREINTILKAQHPNIVTVREIVVGSNMDKIYVMNYVEHDLKSLMETMKQPFLPG
EVKTLMIQLLRGVKHLHDNWLHRDLKTSNLLSHAGILKVGDFGLAREYGSPLKAYTPVVVTLWYRAPE
LLLGAKEYSTAVDMWSVGCIFGELLTQKPLFPGKSEIDQINKVFKDLGTPSEKIWPGYSELPAVKKMTFS
EHPYNNLRKRFGALLSDQGFDMNKFLTYFPGRRISAEDGLKHEYFRETPLPIDPSMFPTWPAKSEQQRV
KRGTSRPPPEGLGYSQLGDDDLKETGFHLTTTNQGASAAGPGFSLKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_033489

ORF Size: 2244 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_033489.1](#), [NP_277024.1](#)

RefSeq Size: 2533 bp

RefSeq ORF: 2247 bp

Locus ID: 984

UniProt ID: [P21127](#)

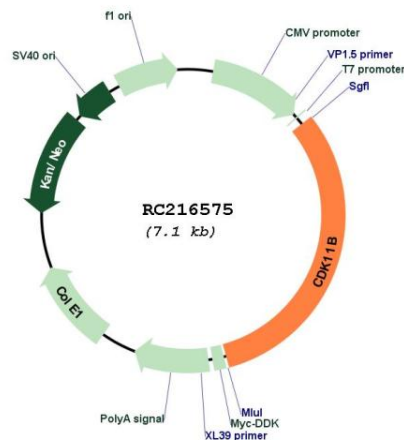
Cytogenetics: 1p36.33

Protein Families: Druggable Genome, Transcription Factors

MW: 87 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 RC216575