

Product datasheet for **RC214848**

CDK11A (NM_024011) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | CDK11A (NM_024011) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | CDK11A |
| Synonyms: | CDC2L2; CDC2L3; CDK11-p46; CDK11-p58; CDK11-p110; p58GTA; PITSLRE |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RC214848 representing NM_024011
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGATGAAAAGGACTCTTGAAAAGTAAAACCTTTAGATGAAATTCCTCAGGAAAAGAAACGAAGGA
 AGGAACAAGAGGAGAAAAGCAGAGATAAACCGCTTAAAAAATTCTGATGACCGGGATTCCAAGCGGGATTCC
 CCTTGAGGAGGGGGAGCTGAGAGATCACTGCATGGAGATCACAATAAGGAACTCCCGTATAGAAGAGAA
 GACTCAATGGAAGACAGAGGAGAAGAAGATGATTTCTTGGCCATCAAACCACCCAGCAAATGTCTCGGA
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 ACCGCTTGGAGCAGTTAGAAAGGAAGCGGGAGCGGGAGCGCAAGATGCGGGAGCAGCAGAAGGAGCAGCG
 GGAGCAGAAGGAGCGCGAGCGGGCGGAGGAGCGCGCAAGGAGCGGGAGGCCCGCAGGGAAGTGTCT
 GCACATCACCGAACGATGAGAGAGGACTACAGCGACAAAGTAAAAGCCAGCCACTGGAGTCGACGCCCGC
 CTCGGCCCGCCGGGAGCGGTTTCGAGTTGGGAGACGGCCGGAAGCCAGTAAAAGAAGAGAAAATGGAAGA
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 TCAGCGGAATCAGGCTCAGGTTCTGAGGAAGAAGAGGAGGAGGAGGAAGAGGAGGAGGAGGAGGAGGAGGAG
 CCAGTGAAGAATCAGAGGAGGAGGAGGAGGAAGAGGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
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 AAAAACCACTCTTGGTTGTTCCAGAGTACGGTTCCAGCGAGATTCCGGGGAGAGTGAAGAAGCAGAGG
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 CCTGTTGCCCATCGAGCTCAAGCAGGAGCTGCCCAAGTACCTGCCGGCCCTGCAGGGCTGCCGGAGCGCTC
 GAGGAGTTCAGTGCCTGAACAGGATCGAGGAGGGCACCTATGGAGTGGTCTACAGAGCAAAAGACAAGA
 AAACAGATGAAATGTGGCTCTAAAGCGGCTGAAGATGGAGAAGGAGAAGGAGGGCTTCCCGATCACGTC
 CCTGAGGGAGATCAACACCATCTCAAGGCCAGCATCCCAACATTGTCACCGTTAGAGAGATTGTGGTG
 GGCAGCAACATGGACAAGATCTACATCGTATGAACTACGTGGAGCACGACCTCAAGAGCCTGATGGAGA
 CCATGAAACAGCCCTTCTGCCAGGGGAGGTGAAGACCCTGATGATCCAGCTGCTCGGGGGGTGAAACA
 CCTGCACGACAACTGGATCCTGCACCGTGACCTCAAGACGTCAAACCTGCTGCTGAGCCACGCCGGCATC
 CTCAAGGTGGGTGATTTTGGGCTGGCGCGGGAGTACGGATCCCTCTGAAGGCCTACACCCCGGTCTGGT
 TGACCCAGTGGTACCGCGCCCGAGAGCTGCTGTTGGTGCCAAGGAATACTCCACGGCCGTGGACATGTG
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 CAGATCAACAAAGTGTCAAGGAGCTGGGGACCCCAAGTGAAGAAATCTGGCCCGGCTACAGTGAGCTCC
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 GACGGCTCAAGCATGAGTATTTCCGCGAGACCCCTCCCATCGACCCCTCCATGTTCCACACGTGGC
 CCGCAAGAGCGAGCAGCAGCGTGTGAAGCGGGCACAGCCCGAGGCCCTGAGGGAGGCTGGGCTA
 CAGCCAGCTGGGTGACGACGACCTGAAGGAGACGGGCTTCCACCTTACCACCACGAACAGGGGGCTCT
 GCCGCGGGCCCGGCTTCAGCCTCAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214848 representing NM_024011
 Red=Cloning site Green=Tags(s)

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MGDEKDSWKVKTLDLDEILQEKKRRKEQEEKAEIKRLKNSDDDRSKRDSLEEGELRDHCMEITIRNSPYRRE
DSMEDRGEEDSLAIKPPQQMSRKEKVHHRKDEKRKEKCRHSHSAEGGKHARVKEREHERRKRHREEQD
KARREWQKRRREMAHRSRRERDRLEQLERKRERERKMREQKEQREQKERERRAEERRKEREARREVS
AHHRTMREYSDKVKASHWSRSPRPPRRERFELGDGRKPVKEEKMEERDLLSDLQDISDSEKTSSEAESS
SAESGSGSEEEEEEEEEEGSTSEEEEEEEEEEEEEETGSNSEEASEQSAEEVSEEMSEDEEREN
ENHLLVVPESRFDRDSGESEEAEEVGEVTPQSSALTEGDYVPDSPAALLPIELKQELPKYLPALQGCRSV
EEFQCLNRIEEGTGVVYRAKDKKTDLDEIVALKRLKMEKEKEGFPITSLREINTILKAQHPNIVTVREIVV
GSNMDKIYIVMNYVEHDLKSLMETMKQPFLPGEVKTLMIQLLRGVKHLHDNWLHRDLKTSNLLSHAGI
LKVGFGLAREYGSPLKAYTPVVVTQWYRAPELLLGAKEYSTAVDMWSVGCIFGELLTQKPLFPGNSEID
QINKVFKELGTPSEKIWPGYSELPVVKKMTFSEHPYNNLRKRFGALLSDQGFDMNKFLTYFPGRRISAE
DGLKHEYFRETPLPIDPSMFPTWPAKSEQQRVKRGTSPRPPEGGLGYSQLGDDDLKETGFHLTTTNQGAS
AAGPGFSLKF
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_024011

ORF Size: 2340 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_024011.4](#)

RefSeq Size: 2650 bp

RefSeq ORF: 2343 bp

Locus ID: 728642

UniProt ID: [Q9UQ88](#)

Cytogenetics: 1p36.33

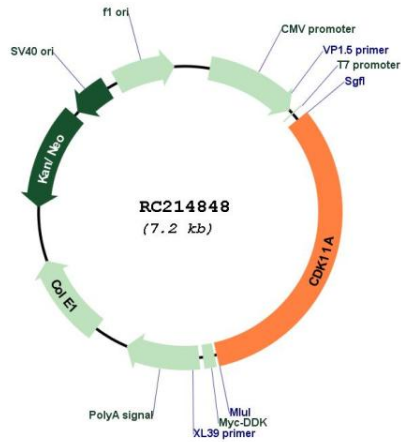
Domains: pkinase, TyrKc, S_TKc

Protein Families: Druggable Genome

MW: 90.8 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, Sep 2015]

Product images:



Circular map for RC214848