

Product datasheet for **RR210860**

Cdk11b (NM_145766) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk11b (NM_145766) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdk11b
Synonyms:	Cdc2l1; Cdk11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR210860 representing NM_145766
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGATGAAAAGACTCTTGAAAAGTAAAACGTTAGATGAAATTCAGGAAAAGAAACGAAGGA
 AAGAACAAGAGGAGAAAAGCAGAGATAAACCGTTAAAAAATTCTGATGACCGGGATTCCAAAAGGGATTC
 CCTTGAGGAGGGGAGCTGAGAGATCATCGAATGGAAATCACAATCAGGAACTCACCATACAGAAGAGAG
 GATTCTATGGAAGACAGAGGAGAGGAGGATGATTCTCTGGCCATCAAACACCCAGCAAATGTCTCGAA
 AAGAAAAGGCTCATCACAGAAAAGATGAGAAAAGAAAAGAGAAGCGTCGACATCGTAGTCACTCAGCAGA
 GGGAGGAAAACATGCCCGAGTAAAAGAGAAAAGAAAAGAACACGAGCGGCCGAAACGGCATCGAGAGGAA
 CAGGATAAAGCACGAAGAGAATGGGAAAGACAGAAGAGGAGGGAGATGGCAAGAGAGCATTCCAGGAGAG
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 GCCCTTTGAGGCCACCAAGAGAGCGCTTTGAGCTGGGAGACAACCGGAAGCCAGTGAGAGAAGAGAGGT
 GGAAGAAAGAGACCTGTGTCTGGACCTCCAGGACATCAGTGACAGTGAGAGGAAGACCAGCTCAGCTGAG
 TCCTCATCAGCAGAATCAGGCTCAGGTTCTGAGGAGGAGGAGGAGGAGGAGGAGGAAGAAGAGGAGGAGG
 AAGGGAGCACCAGTGAAGAGTCAAGGAAAGAGGAAGAAGAGGAAGAGGAGGAGGAGGAGGAACTGG
 GAGCAACTCTGAGGAAGCCTCAGAACAGTCTGTGAAGAAGTCAAGTACGAGGAAAGATGAGTGAAGATGAA
 GACAGAGAAAAAGAGAACCACATCTTGGTTGTTCCAGAGTCGCGATTTGACCGAGATTCTGGGGACAGTC
 ATGAAGGAGAAGAAGAAGTTGGTGAGGGGACACCGCAGAGCAGCGCCCTACCGAGGAGACTATGTGCC
 CGACTCTCCAGCTCTGTACCTATTGAGCTAAAACAAGAGCTGCCCAAGTACCTGCCAGCCCTGCAGGGA
 TGCCGGAGTGTAGAGGAGTTTCAGTGTCTGAACAGGATTGAAGAAGGCACCTATGGGGTGGTCTACAGAG
 CAAAGGACAAGAAAACAGATGAGATTGTGGCTCTGAAGCGGTTAAAGATGGAGAAGGAGAAGGAAGGCTT
 CCCAATCACATCACTGAGGGAAATCAACACCATCCTCAAGGCCAGCACCCCAATATCGTCACTGTCAGA
 GAAATTGTTGTGGGAAGCAACATGGACAAGATCTACATTGTGATGAACTATGTGGAACACGACCTCAAGA
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 CTCCAGTTGTTGTAACCCGTGGGTATCGTGCCCAAGAAGTCTCCTTGGTCTAAGGAATACTCCACAGC
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 TCAGAGATTGATCAGATTAACAAGGTTTTCAAGGACCTGGGGACCCCAAGTGAGAAAATCTGGCCTGGCT
 ATAATGACCTCCCAGCCGTCAAGAAGATGACCTTCAGCGAGTATCCCTATAACAACCTCCGCAAGCGATT
 CGGAGCTTTGTTATCAGATCAAGGATTCGATCTCATGAACAAGTTTCTGACTTACTTCCCTGGGAGGAGG
 GTCAGCGCAGAAGATGGCCTCAAGCAGCAGTATTTCCGAGAGACTCCCTCCCATCGACTCATCCATGT
 TCCCCACGTGGCTGCCAAGAGTGAAGCAGCAGAGGGTGAAGAGAGGCACGAGTCCGAGGCCCTGAGGG
 CGGCCTGGGCTACAGCCAGCTGGGAGACGACACCTGAAGGAGAGCGGGCTTCCACCTCACCACCACCAAC
 CAGGGAGCCTCAGCTGCTGGCCCTGGCTCAGCCTCAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210860 representing NM_145766
 Red=Cloning site Green=Tags(s)

MGDEKDSWKVKTLDLDEILQEKKRRKEQEEKAEIKRLKNSDDDRSKRDSLEEGELRDHRMEITIRNSPYRRE
 DSMEDRGEEDDSLAIKPPQMSRKEKAHHRKDEKRKEKRRHRSHSAEGGKHARVKEKEREHERRKRHREE
 QDKARREWERQKRREMARHSRRERDRLEQLERKRERERKMREQKEQREQKERERRAEERRKEREARRE
 VSAHHRMTREDYSDKGGKVGHWRSPLRPPRRERFELGDNRKPVREEKVEERDLLSDLQDISDSEKTSAAE
 SSSAESGSGSEEEEEEEEEEEEEEGSTSEEEEEEEEEEEEEETGSNSEEASEQSAEEVSDEEMSEDE
 DRENENHILVVPESRFDRDSDGSDGEGEEVGEVGPQSSAPTEGDYVPDSPAISP IELKQELPKYLPALQG
 CRSVEEFQCLNRIIEEGTYGVVYRAKDKKTDEIVALKRLKMEKEKEGFPITSLREINTILKAQHPNIVTVR
 EIVVGSNMDKIYIVMNYVEHDLKSLMETMKQPFPLPGEVKTLMIQLLSGVKHLHDNWLHRDLKTSNLLLS
 HAGILKVGDFGLAREYGSPLKAYTPVVVTLWYRAPELLLGAKEYSTAVDMWVSGCIFGELLTQKPLFP GK
 SEIDQINKVFKDLGTPSEKIWPGYNDLPAVKKMTFSEYPYNLKRFGALLSDQGFDMNKFLTYFPGRR
 VSAEDGLKHEYFRETPLPIDSSMFPTWPAKSEQQRVKGRTSPRPPEGGLGYSQLGDDDLKETGFHLTTN
 QGASAAGPGFSLKF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_145766

ORF Size: 2352 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_145766.2](#), [NP_665709.2](#)

RefSeq Size: 2556 bp

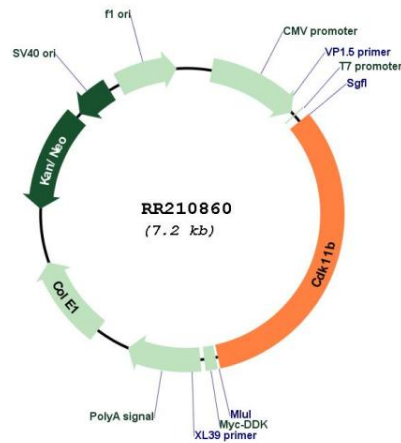
RefSeq ORF: 2355 bp

Locus ID: 252879

Cytogenetics: 5q36

MW: 91.4 kDa

Product images:



Circular map for RR210860