

Product datasheet for **MR210458**

Cdc2l1 (BC052920) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc2l1 (BC052920) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc2l1
Synonyms:	p58, CDK11-p46, CDK11-p58, CDK11-p110
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210458 representing BC052920
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCACAGTCTGATGACCGGATTCCAAAAGGGATTCCCTTGAGGAGGGGAGCTGAGAGATCACCGAA
TGGAGATCACAATCAGGAACTCACCATATAGAAGAGAGGATTCTATGGAAGACAGAGGAGAGGAGGATGA
TTCTCTGGCCATCAAACACCCAGCAAATGTCTCGAAAAGAAAAGGCTCATCACAGAAAAGACGAGAAA
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TCCAGAGTCACGATTTGACCGAGATTCTGGGACAGTGAAGAAGGGAGGAAGAAGTTGGTGAAGGGACT
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AACAAAGAACTGCCAAATACCTGCCAGCCCTGCAGGGATGCAGGAGTGTAGAGGAGTTTCAGTGTCTGAA
CAGGATTGAAGAAGGCACCTATGGGGTGGTCTACAGAGCAAAGGACAAGAAAACAGATGAAATTGTGGCT
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CCTCAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210458 representing BC052920
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MSQSDDRDSKRDLSLEEGELRDHRMEITIRNSPYRREDSMEDRGEEDDSLAIKPPQQMSRKEKAHHRKDEK
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RERERKLRQQKEQREQKERERRAEERRKEREARREVSAAHRTMREEYSDKGKVGHSRSPLRPPRERFE
MGDNRKPVKKEKVEERDLLSDLQDISSERKTSSAESSSAESGSGSEEEEEEEEEEGSTSESEEEE
EEEEEEEEEEETGSNSEEASEQSAEEVSDEEMSEDEEDRENENHILVVPESRFDRDSDGSEEGEEVGEET
PQSSAPTEGDYVPDPALELQELPKYLPALQGCRSVEEFQCLNRIIEGTYGVVYRAKDKTDEIVA
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PGEVKTLMIQLLSGVKHLHDNWLHRDLKTSNLLL SHAGILKVGDFGLAREYGSPLKAYTPVVVTLWYRA
PELLLGAKEYSTAVDMWSVGCIFGELLTQKPLFPGKSDIDQINKIFKDLGTPSEKIWPGYNDLPAVKMT
FSEYPYNNLRKRF GALLSDQGFDMNKFLTYYPGRRINAEDGLKHEYFRETPLPIDPSMFPTWPAKSEQQ
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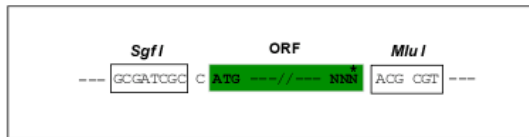
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC052920

ORF Size: 2250 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: [BC052920](#), [AAH52920](#)

RefSeq Size: 2777 bp

RefSeq ORF: 2252 bp

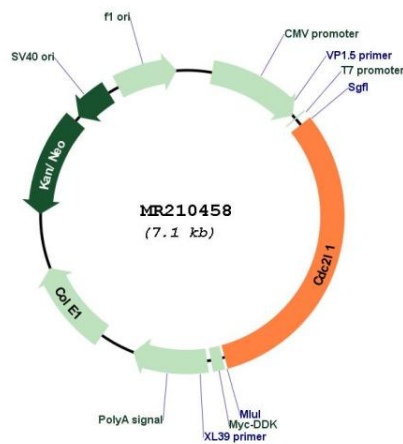
Locus ID: 12537

Cytogenetics: 4 86.73 cM

MW: 101.8 kDa

Gene Summary: Plays multiple roles in cell cycle progression, cytokinesis and apoptosis. Involved in pre-mRNA splicing in a kinase activity-dependent manner. May act as a negative regulator of normal cell cycle progression.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210458