

Product datasheet for **MR217310**

Cdkl2 (NM_016912) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdkl2 (NM_016912) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdkl2
Synonyms:	5330436L21Rik; AI505225; KKIAMRE; Kkm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR217310 representing NM_016912
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGAGAAGTACGAGAACCTAGGATTGGTTGGAGAGGGGAGTTACGGAATGGTGTGAAGTGTAGGAACA
AAGACAGTGAAGAATTGTGGCCATTAAGAAGTTCCTAGAAAGTACGATTGATAAAATGGTTAAGAAGAT
CGCAATGCGAGAGATCAAGTTACTAAAGCAACTGCGGCATGAAAAATTTGGTGAATCTGTTGGAAGTATGT
AAGAAAAAAAACGTTGGTACCTAGTCTTTGAATTTGTTGACCACACGATTCTTGATGACTTGAACTCT
TTCCAAATGGACTAGACTATCAAGTAGTTCAAAAATATTTGTTTCAGATTATTAATGGAATTGGATTTTG
CCACAGTCACAATATCATAACACAGAGATATAAAGCCTGAGAATATATTAGTCTCCAGTCTGGCGTTGTA
AAATTATGTGACTTTGGATTTGCACGGACCCTGGCGGCTCCAGGGGAGGTTTACTACTGACTATGTGGCCA
CCCGGTGGTACAGAGCTCCAGAAGTCTGGTGGTACGTCAGTCAAGTATGGCAAGGCTGTGGATATCTGGGC
CATTGGTTGTCTGGTATTGAAATGCTTATGGGGCAGCCACTGTTCCAGGAGAATCTGATATTGATCAG
CTACATCATATTATGACATGTTTAGGTAATTTAATCCAAGACACCAGGAGCTATTTTATAAAAACTCTG
TGTTTGCTGGAGTAAGGTTGCCTGAGGTCAAAGATGCAGAAGCAGAGCCTCTTGAGAGCCGCTATCCTAA
GCTCCCTGAAGCTGTGATCAGTTTAGCAAGAAATGCTTGACATTGACCCAGACAAAAGGCCCTTCTGT
GCTGACCTTCTGCGCCATGACTTCTTTCAAATGGATGGATTTGCTGAGAGGTTTTCTCAAGAATTGCAGT
TAAAAATAGAGAAAGATGCCAGGAATAATCTTTACCTAAAAAGTCTCAAAACAGAAAGAAAAGAAAAAGA
CGATGCCTTAGGTGAAGAAAGAAAAACCCTTGTTGACAGGATACCAATGCTGACCCAAAATTAAGGAT
TCAAAAATATTTAAAGTAAAGGGGTCAAAAATGATGTTGAGAAAAATGAAAAAGGAAGTAGAGCTTCAA
ATGCCAACTGTCTCCATGACAATGGGACAAACCACAAAGGCTTGGCTTCCACCAGCCTCAGAGATTGCAG
CAATGTCAACATTGATCACTCAAGGAACCCAGGCACAGGATTCCCTCCCTCACACACAATCTTTCTGCA
GTTGCTCCTGGCATTAAATGCTGGAATGGGGACTATTCTGGCGTTCAGAATTACAGAGTGGATGAGAAAA
CAAAGAAACTGTAAATCCATTTGTTAAACCAAATCAGCCTCCTCCAGCAGGGATTTATAATATGAATGT
GAGCACATCCGTCTCAGGTGAAAAGTACCTCCTCAGGCAAAACAAGAAAAGGAAGGAATATCCCAAAGCA
GACGTGCGGTTGCCTGAACTAACTATAACCATCTTCTGAACTGAGAGCTTTAGAAGGCATAGCTCGAA
ATTCTAGGCTAATAAAGAAAGAGAACAAATGCCTTTCAGAAATCTCGAATCCCTCTCTGGCTGCCATTGA
TCTGCACGTGTCCAGTGTTCATCACACCAGGGAGCAGGATCACCCCTGTCAGATGATTCTGAGGCTGAT
TTGCCCTGGATGGAACCAACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217310 representing NM_016912
Red=Cloning site Green=Tags(s)

MEKYENLGLVGEYSYGMVKCRNKDSGRIVAIIKFFLESDDDKMVKIAMREIKLLKQLRHENLVNLLVVC
KKKKRWYLVFEFVDHTILDLLKLPNGLDYQVVQKYLFIINGIGFCHSHNIIHRDIKPENILVSQSGVV
KLCDFGFARTLAAPGEVYTDYVATRWYRAPELLVGDVYKGAVDIWAIGCLVIEMLMGQPLFPGESDIDQ
LHHIMTCLGNLIPRHQELFYKNPVFAGVRLPEVKDAEAEPLSRYPKLEAVISLAKKCLHIDPDKRPF
ADLLRHDFQMDGFAERFSQELQLKIEKDARNNSLPKKSQNRKKEKDDALGEERKTLVVQDTNADPKIKD
SKVFKVKGSKIDVEKMEKGSRSANANCLHDNGTNHKGLASTSLRDCSNVNIHDSRNPGTAIPLTHNLSA
VAPGINAGMGTIPGVQNYRVDEKTKKYCNPFVKPNQPPAGIYNMNVSTSVSSEKYLQANKKRKEYPKA
DVRLPELNYNHLPELRALEGIARNSRLIKKENKCLSESRIPSLAAIDLHVSSVASHQAGSPLSDDSEAD
LPRMEHQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9010_a05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_016912

ORF Size: 1704 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_016912.2](#), [NP_058608.1](#)

RefSeq Size: 4079 bp

RefSeq ORF: 1707 bp

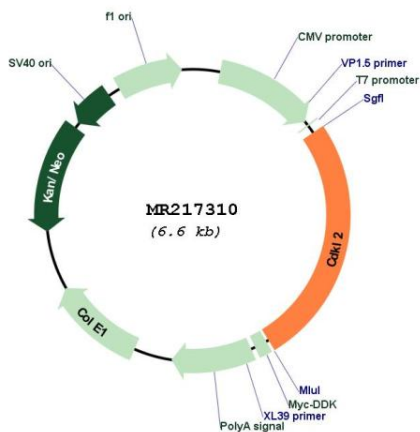
Locus ID: 53886

UniProt ID: [Q9QUK0](#)

Cytogenetics: 5 E2

MW: 64.5 kDa

Product images:



Circular map for MR217310