

Product datasheet for **MR230532**

Cdkl2 (NM_001276315) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdkl2 (NM_001276315) 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:

>MR230532 representing NM_001276315
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAAGTACGAGAACCTAGGATTGGTTGGAGAGGGGAGTTACGGAATGGTGTGAAGTGTAGGAACA
 AAGACAGTGAAGAATTGTGGCCATTAAGAAGTTCCTAGAAAGTACGATTGATAAAATGGTTAAGAAGAT
 CGCAATGCGAGAGATCAAGTTACTAAAGCAACTGCGGCATGAAAAATTTGGTGAATCTGTTGGAAGTATGT
 AAGAAAAAAAACGTTGGTACCTAGTCTTTGAATTTGTTGACCACACGATTCTTGATGACTTGAACTCT
 TTCCAAATGGACTAGACTATCAAGTAGTTCAAAAATATTTGTTTCAGATTATTAATGGAATTGGATTTTG
 CCACAGTCACAATATCATAACACAGAGATATAAAGCCTGAGAATATATTAGTCTCCAGTCTGGCGTTGTA
 AAATTATGTGACTTTGGATTTGCACGGACCCTGGCGGCTCCAGGGGAGGTTTACTACTGACTATGTGGCCA
 CCCGGTGTACAGAGCTCCAGAAGTCTGGTGGTACGTCAGTCAAGTATGGCAAGGCTGTGGATATCTGGGC
 CATTGGTTGTCTGGTATTGAAATGCTTATGGGGCAGCCACTGTTCCAGGAGAATCTGATATTGATCAG
 CTACATCATATTATGACATGTTTAGGTAATTTAATCCAAGACACCAGGAGCTATTTTATAAAAACTCTG
 TGTTTGCTGGAGTAAGGTTGCCTGAGGTCAAAGATGCAGAAGCAGAGCCTCTTGAGAGCCGCTATCTCAA
 GCTCCCTGAAGCTGTGATCAGTTTAGCAAGAAATGCTTGACATTGACCCAGACAAAAGGCCCTTCTGT
 GCTGACCTTCTGCGCCATGACTTCTTTCAAATGGATGGATTTGCTGAGAGGTTTTCTCAAGAATTGCAGT
 TAAAAATAGAGAAAGATGCCAGGAATAATCTTTACCTAAAAAGTCTCAAAACAGAAAGAAAAGAAAAAGA
 CGATGCCTTAGGTGAAGAAAGAAAAACCCTTGTTGACAGGATACCAATGCTGACCCAAAATTAAGGAT
 TCAAAAATATTTAAAGTAAAGGGGTCAAAAATGATGTTGAGAAAATGAAAAAGGAAGTAGAGCTTCAA
 ATGCCAAGTCTCCATGACAATGGGACAAACCACAAAGGCTTGCTTCCACCAGCCTCAGAGATTGCAG
 CAATGTCAACATTGATCACTCAAGGAACCCAGGCACAGCGATTCTCCCTCACACACAATCTTTCTGCA
 GTTGCTCCTGGCATTAAATGCTGGAATGGGGACTATTCTGGCGTTCAGAATTACAGAGTGGATGAGAAAA
 CAAAGAAATACTGTAATCCATTTGTTAAACCAAATCAGCCTCCTCCAGCAGGGATTTATAATATGAATGT
 GAGCACATCCGTCTCAGGTGAAAAGTACCTCCTCAGGCAAAACAAGAAAAGGAAGGAATATCCCAAAGCA
 GACGTGCGGTTGCCTGAACTAACTATAACCATCTTCTGAACTGAGAGCTTTAGAAGGCATAGCTCGAA
 ATTCTAGGCTAATAAAGAAAGAGAACAAATGCCTTTCAGAATCTCGAATCCCTCTCTGGCTGCCATTGA
 TCTGCACGTGTCCAGTGTTCATCACACCAGATGCTGCCAGCCCTGGAGATGACGTCTCTTGCACGAGA
 GCACTGATACCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230532 representing NM_001276315
 Red=Cloning site Green=Tags(s)

MEKYENLGLVGEYSYGMVMKCRNKDSGRIVAIIKFFLESDDDKMVKKIAMREIKLLKQLRHENLVNLLVVC
 KKKKRWYLVFEFVDHTILDLDLKLFPNGLDYQVVQKYLFIINGIGFCHSHNIIHRDIKPENILVSQSGVV
 KLCDFGFARTLAAPGEVYTDYVATRWRAPPELLVGDVYKGAVDIWAIGCLVIEMLMGQPLFPGESDIDQ
 LHHIMTCLGNLIPRHQELFYKNPVFAGVRLPEVKDAEAEPLSRYPKLEAVISLAKKCLHIDPDKRPF
 ADLLRHDFQMDGFAERFSQELQLKIEKDARNNSLPKKSQNRKKEKDDALGEERKTLVVQDTNADPKIKD
 SKVFKVKGSKIDVEKMEKGSRSANANCLHDNGTNHKGLASTSLRDCSNVNIHDSRNPGTAIPLTHNLSA
 VAPGINAGMGTIPGVQNYRVDEKTKKYCNPFVKPNQPPAGIYNMNVSTSVSGEKYLQANKKRKEYPKA
 DVRLPELNYNHLPELRALEGIARNSRLIKKENKCLSESRIPLAAIDLHVSSVASHQMLPALEMTSSCTR
 ALIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001276315

ORF Size: 1692 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_001276315.1](#), [NP_001263244.1](#)

RefSeq Size: 4256 bp

RefSeq ORF: 1695 bp

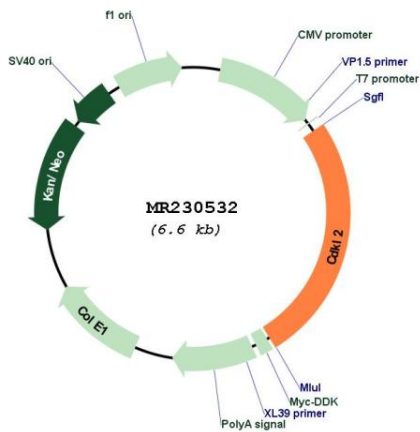
Locus ID: 53886

UniProt ID: [Q9QUK0](#)

Cytogenetics: 5 E2

MW: 64.1 kDa

Product images:



Circular map for MR230532