

Product datasheet for **MR218380**

Cdkl2 (NM_177270) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Cdkl2 (NM_177270) 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:

>MR218380 representing NM_177270
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAAGTACGAGAACCTAGGATTGGTTGGAGAGGGGAGTTACGGAATGGTGTGAAGTGTAGGAACA
 AAGACAGTGAAGAATTGTGGCCATTAAGAAGTTCCTAGAAAAGTACGATTGATAAAAATGGTTAAGAAGAT
 CGCAATGCGAGAGATCAAGTTACTAAAGCAACTGCGGCATGAAAAATTTGGTGAATCTGTTGGAAGTATGT
 AAGAAAAAAAACGTTGGTACCTAGTCTTTGAATTTGTTGACCACACGATTCTTGATGACTTGAACTCT
 TTCCAAATGGACTAGACTATCAAGTAGTTCAAAAATATTTGTTTCAGATTATTAATGGAATTGGATTTTG
 CCACAGTCACAATATCATAACACAGAGATATAAAGCCTGAGAATATATTAGTCTCCAGTCTGGCGTTGTA
 AAATTATGTGACTTTGGATTTGCACGGACCCTGGCGGCTCCAGGGGAGGTTTACTACTGACTATGTGGCCA
 CCCGGTGTACAGAGCTCCAGAAGTCTGGTGGTACGTCAGTCAAGTATGGCAAGGCTGTGGATATCTGGGC
 CATTGGTTGTCTGGTCATTGAAATGCTTATGGGGCAGCCACTGTTCCAGGAGAATCTGATATTGATCAG
 CTACATCATATTATGACATGTTTAGGTAATTTAATCCAAGACACCAGGAGCTATTTTATAAAAACTCTG
 TGTTTGCTGGAGTAAGGTTGCCTGAGGTCAAAGATGCAGAAGCAGAGCCTCTTGAGAGCCGCTATCCTAA
 GCTCCCTGAAGCTGTGATCAGTTTAGCAAAGAAATGCTTGACATTGACCCAGACAAAAGGCCCTTCTGT
 GCTGACCTTCTGCGCCATGACTTCTTTCAAATGGATGGATTTGCTGAGAGGTTTTCTCAAGAATTGCAGT
 TAAAAATAGAGAAAAGTCCAGGAATAATCTTTACCTAAAAAGTCTCAAAACAGAAAAGAAAAGAAAAGA
 CGATGCCTTAGGTGAAGAAAAGAAAACCCTTGTGGTACAGGATACCAATGCTGACCCAAAATTAAGGAT
 TCAAAAATATTTAAAGTAAAGGGGTCAAAAATGATGTTGAGAAAATGGAAAAGGAAGTAGAGCTTCAA
 ATGCCAAGTCTCCATGACAATGGGACAAACCACAAAGGCTTGGCTTCCACCAGCCTCAGAGATTGCAG
 CAATGTCAACATTGATCACTCAAGGAACCCAGGCACAGCGATTCTCCCTCACACACAATCTTTCTGCA
 GTTGCTCCTGGCATTAAATGCTGGAATGGGACTATTCTGGCGTTCAGAATTACAGAGTGGATGAGAAAA
 CAAAGAAATACTGTAATCCATTTGTTAAACCAAATCAGCCTCCTCCAGCAGGGATTTATAATATGAATGT
 GAGCACATCCGTCTCAGGTGAAAAGTACCTCCTCAGGCAAAACAAGAAAAGGAAGGAATATCCCAAAGCA
 GACGTGCGGTTGCCTGAACTAACTATAACCATCTTCTGAACTGAGAGCTTTAGAAGGCATAGCTCGAA
 ATTCTAGGCTAATAAAGAAAAGAGAACAAATGCCTTTCAGAATCTCGAATCCCTCTCTGGCTGCCATTGA
 TCTGCACGTGTCCAGTGTGCATCACACCAGATGCTGCCAGCCCTGGAGATGACGTCTCTTGCACGAGA
 GCACTGATACCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218380 representing NM_177270
 Red=Cloning site Green=Tags(s)

MEKYENLGLVGEYSYGMVMKCRNKDSGRIVAIIKKFLESDDDKMVKKIAMREIKLLKQLRHENLVNLLVC
 KKKKRWYLVFEFVDHTILDLDLKLFPNGLDYQVVQKYLFIINGIGFCHSHNIIHRDIKPENILVSQSGVV
 KLCDFGFARTLAAPGEVYTDYVATRWYRAPELLVGDVYKGAVDIWAIGCLVIEMLMGQPLFPGESDIDQ
 LHHIMTCLGNLIPRHQELFYKNPVFAGVRLPEVKDAEAEPLESRYPKLPEAVISLAKKCLHIDPDKRPF
 ADLLRHDFQMDGFAERFSQELQLKIEKDARNNSLPKKSQNRKKEKDDALGEERKTLVVQDTNADPKIKD
 SKVFKVKGSKIDVEKMEKGSRASNANCLHDNGTNHKGLASTSLRDCSNVNIHDSRNPGTAIPLTHNLSA
 VAPGINAGMGTIPGVQNYRVDEKTKKYCNPFVKPNQPPAGIYNMNVSTSVSGEKYLQANKKRKEYPKA
 DVRLPELNYNHLPELRALEGIARNSRLIKKENKCLSESRIPLAAIDLHVSSVASHQMLPALEMTSSCTR
 ALIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_177270

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_177270.4](#), [NP_796244.2](#)

RefSeq Size: 3988 bp

RefSeq ORF: 1695 bp

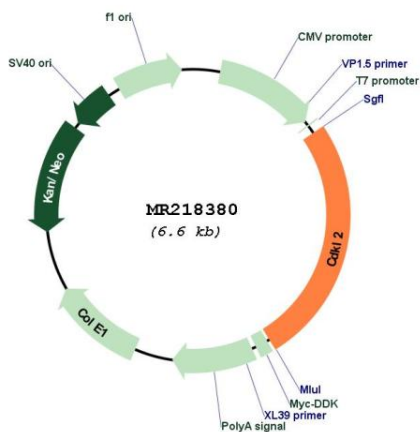
Locus ID: 53886

UniProt ID: [Q9QUK0](#)

Cytogenetics: 5 E2

MW: 64.1 kDa

Product images:



Circular map for MR218380