

Product datasheet for MR212512

Cdkl4 (NM_001033443) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdkl4 (NM_001033443) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdkl4
Synonyms:	AU067824; Gm942
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212512 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAAGTATGAAAAGCTAGCTAAGATCGGAGAAGGGTCTTATGGCGTTGTATTCAAGTGCAGAAACA
AATCTTCTGGACAAGTAGTAGCGATCAAAAAATTCGTGGAATCTGAAGATGATCGTGTCTTAGGAAAAT
AGCCCTGCGGGAAATCCGTATGCTGAAGCAGTTGAAACACCCAAACCTCGTGAACCTCATTGAGGTGTT
AGAAGAAAGAGGAAGATGCATCTAGTTTTTGTACTGTGATCACACGCTGTTAAACGAGCTGGAGAGAA
ACCCAAACGGAGTTTCTGATGGAGTGATTAAGTGTGCTATGGCAAACCTTCAAGCCCTAACTTCTG
TACAAGCACAATTGTATTCATCGGGATGTAAAACCTGAAAACATCCTAATAACCAAGCAAGGGATGATA
AAGATTTGTGACTTTGGATTTGCACGAATTCTAATTCAGGAGACGCCTACACAGACTATGTTGCCACCA
GGTGGTACCGAGCCCGAACTTCTCGTGGGAGACACGAAGTACGGTTCCTCTGTGGACGTGTGGGCTGT
CGGCTGTGTTTTGCAGAGCTCCTGACGGGTCAGCCACTCTGGCCGGGAAAATCCGACGTGGACCAGCTT
TACCTGATCATCAGGACGTTGGGGAAGCTGATTCCAAGACACCAGTCTATCTTTAGGAGTAACCAGTTTT
TCCGCGGCATCAGCATACCTGAACCAGAGGACATGGAGACTCTTGAAGAAAAATCTCAAATGTTACGCC
TGTGGCTTTAAGTTTCATGAAGGGATGCCTGAAGATGAATCCTGATGAGAGGCTGACCTGTGCCAGCTG
CTGGACAGTGCCCTACTTTGAGTCTTTTCAAGAGGATCAAATGAAAAGAAAAGCCCGCAGTGAGGGGAGAA
GCCGAAGGCGCCAGCAGAATCAACTGCTGCCTCTTATTCTGGAAGCCACATCTCCCCACACCTGATGG
AAGGAAACAAGTCGTCCAGTTAAAGTTCGATCATCTTCCAACATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR212512 protein sequence
Red=Cloning site Green=Tags(s)

```
MEKYEKLAKIGEGSYGVVFKCRNKSSGQVVAIKKFVESEDDRVVRKIALREIRMLKQLKHPNLVNLIEVF
RRKRKMHLVFEYCDHTLLNELERNPNVSDGVIKSVLWQTLQALNFCHKHNCIHRDVKPENILITKQGM
KICDFGFARILIPGDAYTDYVATRWYRAPELLVGDTKYSSVDVWAVGCVFAELLTGQPLWPGKSDVDQL
YLIIRTLGKLI PRHQSI FRSNQFFRGI SIPEPEDMETLEEKFSNVQPVALSFMKGCLKMNPDRLTCAQL
LDSAYFESFQEDQMKRKARSEGRSRRRQNLPLIPGSHISPTPDGRKQVVLKFDHLPNI
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001033443

ORF Size: 1029 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_001033443.2](#)

RefSeq Size: 2931 bp

RefSeq ORF: 1029 bp

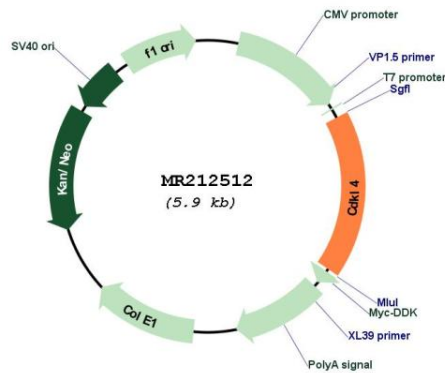
Locus ID: 381113

UniProt ID: [Q3TZA2](#)

Cytogenetics: 17 E3

MW: 39.4 kDa

Product images:



Circular map for MR212512