

Product datasheet for **MG218380**

Cdkl2 (NM_177270) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdkl2 (NM_177270) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdkl2
Synonyms:	5330436L21Rik; AI505225; KKIAMRE; Kkm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218380 representing NM_177270
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAAGTACGAGAACCTAGGATTGGTTGGAGAGGGGAGTTACGGAATGGTGTGAAGTGTAGGAACA
 AAGACAGTGAAGAATTGTGGCCATTAAGAAGTTCCTAGAAAAGTACGATTGATAAAAATGGTTAAGAAGAT
 CGCAATGCGAGAGATCAAGTTACTAAAGCAACTGCGGCATGAAAAATTTGGTGAATCTGTTGGAAGTATGT
 AAGAAAAAAAACGTTGGTACCTAGTCTTTGAATTTGTTGACCACACGATTCTTGATGACTTGAAACTCT
 TTCCAAATGGACTAGACTATCAAGTAGTTCAAAAATATTTGTTTCAGATTATAATGGAATTGGATTTTG
 CCACAGTCACAATATCATAACACAGAGATATAAAGCCTGAGAATATATTAGTCTCCAGTCTGGCGTTGTA
 AAATTATGTGACTTTGGATTTGCACGGACCCTGGCGGCTCCAGGGGAGGTTTACTACTGACTATGTGGCCA
 CCCGGTGTACAGAGCTCCAGAAGTCTGGTCCGTTGACGTCAGTCAAGTATGGCAAGGCTGTGGATATCTGGC
 CATTGGTTGTCTGGTCAATGAAATGCTTATGGGGCAGCCACTGTTCCAGGAGAATCTGATATTGATCAG
 CTACATCATATTATGACATGTTTAGGTAATTTAATCCAAGACACCAGGAGCTATTTTATAAAAAATCCTG
 TGTTTGCTGGAGTAAGGTTGCCTGAGGTCAAAGATGCAGAAGCAGAGCCTCTTGAGAGCCGCTATCCTAA
 GCTCCCTGAAGCTGTGATCAGTTTAGCAAAGAAATGCTTGACATTGACCCAGACAAAAGGCCCTTCTGT
 GCTGACCTTCTGCGCCATGACTTCTTTCAAATGGATGGATTTGCTGAGAGGTTTTCTCAAGAATTGCAGT
 TAAAAATAGAGAAAAGTCCAGGAATAATCTTTACCTAAAAAGTCTCAAAACAGAAAAGAAAAGAAAAGA
 CGATGCCTTAGGTGAAGAAAAGAAAACCCCTTGTTGACAGGATACCAATGCTGACCCAAAATTAAGGAT
 TCAAAAATATTTAAAGTAAAGGGGTCAAAAATGATGTTGAGAAAATGAAAAAGGAAGTAGAGCTTCAA
 ATGCCAACTGTCTCCATGACAATGGGACAAACCACAAAGGCTTGCTTCCACCAGCCTCAGAGATTGCAG
 CAATGTCAACATTGATCACTCAAGGAACCCAGGCACAGCGATTCTCCCTCACACACAATCTTTCTGCA
 GTTGCTCCTGGCATTAAATGCTGGAATGGGGACTATTCTGGCGTTCAGAATTACAGAGTGGATGAGAAAA
 CAAAGAAATACTGTAATCCATTTGTTAAACCAAATCAGCCTCCTCCAGCAGGGATTTATAATATGAATGT
 GAGCACATCCGTCTCAGGTGAAAAGTACCTCCTCAGGCAAAACAAGAAAAGGAAGGAATATCCCAAAGCA
 GACGTGCGGTTGCCTGAACTAACTATAACCATCTTCTGAACTGAGAGCTTTAGAAGGCATAGCTCGAA
 ATTCTAGGCTAATAAAGAAAAGAGAACAATGCCTTTCAGAATCTCGAATCCCTCTCTGGCTGCCATTGA
 TCTGCACGTGTCCAGTGTTCATCACACCAGATGCTGCCAGCCCTGGAGATGACGTCTCTTGCACGAGA
 GCACTGATACCC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218380 representing NM_177270
 Red=Cloning site Green=Tags(s)

MEKYENLGLVGEFSYGMVMKCRNKDSGRIVAIAIKKFLIESDDDKMVKKIAMREIKLLKQLRHENLVNLLVVC
 KKKKRWYLVFEFVDHTILDLLKLPNGLDYQVVQKYLFIINGIGFCHSHNIIHRDIKPENILVSQSGVV
 KLCDFGFARTLAAPGEVYTDYVATRWRAPPELLVGDVYKGAVDIWAIGCLVIEMLMGQLPFGESDIDQ
 LHHIMTCLGNLIPRHQELFYKNPVFAGVRLPEVKDAEAEPLSRYPKLPEAVISLAKKCLHIDPDKRPF
 ADLLRHDFQMDGFAERFSQELQLKIEKDARNNSLPKKSQNRKKEKDDALGEERKTLVVQDTNADPKIKD
 SKVFKVKGSKIDVEKMEKGSRASNANCLHDNGTNHKGLASTSLRDCSNVNIHDSRNPGTAIPLTHNLSA
 VAPGINAGMGTIPGVQNYRVDETKKYCNPFVKPNQPPAGIYNNMVSTSVSGEKYLQANKKRKEYPKA
 DVRLPELNYNHLPELRALEGIARNSRLIKKENKCLSESRIPLAAIDLHVSSVASHQMLPALEMTSSCTR
 ALIP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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