

## Product datasheet for **MG217310**

### Cdkl2 (NM\_016912) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdkl2 (NM_016912) 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:**

>MG217310 representing NM\_016912  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGAAGTACGAGAACCTAGGATTGGTTGGAGAGGGGAGTTACGGAATGGTGTGAAGTGTAGGAACA  
 AAGACAGTGAAGAATTGTGGCCATTAAGAAGTTCCTAGAAAAGTACGATTGATAAAAATGGTTAAGAAGAT  
 CGCAATGCGAGAGATCAAGTTACTAAAGCAACTGCGGCATGAAAAATTTGGTGAATCTGTTGGAAGTATGT  
 AAGAAAAAAAACGTTGGTACCTAGTCTTTGAATTTGTTGACCACACGATTCTTGATGACTTGAACTCT  
 TTCCAAATGGACTAGACTATCAAGTAGTTCAAAAATTTGTTTCAGATTATTAATGGAATTGGATTTTG  
 CCACAGTCACAATATCATAACACAGAGATATAAAGCCTGAGAATATATTAGTCTCCAGTCTGGCGTTGTA  
 AAATTATGTGACTTTGGATTTGCACGGACCCTGGCGGCTCCAGGGGAGGTTTACTACTGACTATGTGGCCA  
 CCCGGTGTACAGAGCTCCAGAAGTCTGGTTGGTACGTCAGTCAAGTATGGCAAGGCTGTGGATATCTGGC  
 CATTGGTTGTCTGGTATTGAAATGCTTATGGGGCAGCCACTGTTCCAGGAGAATCTGATATTGATCAG  
 CTACATCATATTATGACATGTTTAGGTAATTTAATCCAAGACACCAGGAGCTATTTTATAAAAACTCTG  
 TGTTTGCTGGAGTAAGGTTGCCTGAGGTCAAAGATGCAGAAGCAGAGCCTCTCGAGAGCCGCTATCCTAA  
 GCTCCCTGAAGCTGTGATCAGTTTAGCAAGAAATGCTTGACATTGACCCAGACAAAAGGCCCTTCTGT  
 GCTGACCTTCTGCGCCATGACTTCTTTCAAATGGATGGATTTGCTGAGAGGTTTTCTCAAGAATTGCAGT  
 TAAAAATAGAGAAAGATGCCAGGAATAATCTTTACCTAAAAAGTCTCAAAACAGAAAGAAAAGAAAAAGA  
 CGATGCCTTAGGTGAAGAAAGAAAAACCCTTGTGGTACAGGATACCAATGCTGACCCAAAATTAAGGAT  
 TCAAAAATATTTAAAGTAAAGGGGTCAAAAATGATGTTGAGAAAATGGAAAAAGGAAGTAGAGCTTCAA  
 ATGCCAACTGTCTCCATGACAATGGGACAAACCACAAAGGCTTGGCTTCCACCAGCCTCAGAGATTGCAG  
 CAATGTCAACATTGATCACTCAAGGAACCCAGGCACAGCGATTCTCCCTCACACACAATCTTTCTGCA  
 GTTGCTCCTGGCATTAAATGCTGGAATGGGGACTATTCTGGCGTTCAGAATTACAGAGTGGATGAGAAAA  
 CAAAGAAATACTGTAATCCATTTGTTAAACCAAATCAGCCTCCTCCAGCAGGGATTTATAATATGAATGT  
 GAGCACATCCGTCTCAGGTGAAAAGTACCTCCTCAGGCAAAACAAGAAAAGGAAGGAATATCCCAAAGCA  
 GACGTGCGGTTGCCTGAACTAACTATAACCATCTTCTGAACTGAGAGCTTTAGAAGGCATAGCTCGAA  
 ATTCTAGGCTAATAAAGAAAGAGAACAAATGCCTTTCAGAATCTCGAATTCCTCTCTGGCTGCCATTGA  
 TCTGCACGTGCCAGTGTTCATCACACCAGGGAGCAGGATCACCCCTGTCAGATGATTCTGAGGCTGAT  
 TTGCCTCGGATGGAACCAACAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG217310 representing NM\_016912  
 Red=Cloning site Green=Tags(s)

MEKYENLGLVGEVSYGMVKCRNKDSGRIVAIAIKKFLVESDDDKMVKIAMREIKLLKQLRHENLVNLLVVC  
 KKKKRWYLVFEFVDHTILDLLKLPNGLDYQVVQKYLFIINGIGFCHSHNIIHRDIKPENILVSQSGVV  
 KLCDFGFARTLAAPGEVYTDYVATRWRAPPELLVGDVYKGAVDIWAIGCLVIEMLMGQLPFGESDIDQ  
 LHHIMTCLGNLIPRHQELFYKNPVFAGVRLPEVKDAEAEPLSRYPKLPEAVISLAKKCLHIDPDKRPF  
 ADLLRHDFQMDGFAERFSQELQLKIEKDARNNSLPKKSQNRKKEKDDALGEERKTLVVQDTNADPKIKD  
 SKVFKVKGSKIDVEKMEKGSRASNANCLHDNGTNHKGLASTSLRDCSNVNIHDSRNPGTAIPLTHNLSA  
 VAPGINAGMGTIPGVQNYRVDETKKYCNPFVKPNQPPAGIYNMNVSTSVSGEKYLQANKKRKEYPKA  
 DVRLPELNYNHLPELRALEGIARNSRLIKKENKCLSESRIPLAAIDLHVSSVASHQAGSPLSDDSEAD  
 LPRMEHQH

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_016912.1</a>
<b>RefSeq ORF:</b>	1707 bp
<b>Locus ID:</b>	53886
<b>UniProt ID:</b>	<a href="#">Q9QUK0</a>
<b>Cytogenetics:</b>	5 E2