

Product datasheet for **SC111095**

CDKL2 (NM_003948) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDKL2 (NM_003948) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDKL2
Synonyms:	KKIAMRE; P56
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_003948 edited
 ATGGAAAAATATGAAAACCTGGGTTTGGTTGGAGAAGGGAGTTATGGAATGGTGATGAAG
 TGTAGGAATAAAGATACTGGAAGAATTGTGCCATAAAGAAGTCTTAGAAAGTGACGAT
 GACAAAATGGTTAAAAAGATTGCAATGCGAGAAATCAAGTTACTAAAGCAACTTAGGCAT
 GAAAACCTGGTGAATCTCTTGGAAAGTGTGAAGAAAAAAAACGATGGTACCTAGTCTTT
 GAATTTGTTGACCACACAATTCTTGATGACTTGGAGCTCTTCCAAATGGACTAGACTAC
 CAAGTAGTTCAAAAGTATTTGTTTCAGATTATTAATGGAATTGGATTTTGTACAGTCAC
 AATATCATACACAGAGATATAAAGCCAGAGAATATATTAGTCTCCAGCTGGCCTTGTC
 AAGCTATGCGATTTTGGATTTGCGCGAACATTGGCAGCTCCTGGGGAGGTTTATACTGAT
 TATGTGGCAACCCGATGGTACAGAGCTCCAGAACTATTGGTTGGTGTCAAGTATGGC
 AAGGCTGTTGATGTGTGGGCCATTGGTTGTCTGGTAACTGAAATGTTTCATGGGGGAACCC
 CTATTTCTGGAGATTCTGATATTGATCAGCTATATCATATTATGATGTGTTAGGTAAT
 CTAATTCGAAGGCATCAGGAGCTTTTTAATAAAAATCCTGTGTTTCTGGAGTAAGGTTG
 CCTGAAATCAAGGAAAAGAGAACCCTCTGAAAGACGCTATCCTAAGCTCTCTGAAGTGGTG
 ATAGATTTAGCAAAGAAATGCTTACATATTGACCCCGACAAAAGACCCTTCTGTGCTGAG
 CTCCTACACCATGATTTCTTTCAAATGGATGGATTTGCTGAGAGGTTTCCCAAGAACTA
 CAGTAAAAGTACAGAAAGATGCCAGAAATGTTTCTTTATCTAAAAAATCCCAAAACAGA
 AAGAAGGAAAAAAGAAAAAGATGATTCCTTAGTTGAAGAAAAGAAAAACACTTGTGGTACAG
 GATACCAATGCTGATCCCAAAATTAAGGATTATAAACTATTTAAAAAAGGCTCAAAA
 ATTGATGGAGAAAAAGCTGAAAAAGGCAATAGAGCTTCAAATGCCAGCTGTCTCCATGAC
 AGTAGGACAAGCCACAACAAAATAGTGCCTTCAACAAGCCTCAAAGACTGCAGCAATGTC
 AGCGTGGACCACACAAGGAATCCAAGCGTGGCAATCCCCCACTTACACACAATCTTTCT
 GCAGTTGCTCCCAGCATTAATTCTGGAATGGGGACTGAGACTATACCAATTCAGGGTTAC
 AGAGTGGATGAGAAAATAAGAAGTGTCTATTCCATTTGTTAAACCGAACAGACATTCC
 CCATCAGGCATTTATAACATTAATGTGACCACATTAGTATCAGGACCTCCCCTGTCAGAT
 GATTTCAGGGGCTGATTTGCCTCAAATGGAACACCAGCACTGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003948 unedited</p> <pre>GGATTTTGTAAATACGACTTACTATAGGGCGGCCGCAATTCGGCACGAGGCCAGGCTCCA GGTACTGGGCGCCTTACGAGCTGGGAGGTGGTGCCTCTCACCCAGCTAATTGCTCTCTAG CCCTTGGCCTTACAGGTGTTGGTGCCTGCCGTGAACGCATTCTGACCTGGGCCGTATCT GTCTCCCAAGACTTTGTGCCTATGGTTGGGACAGAGTGAGGTCGTTGCCTTGACGACGA CAGCATGGCGCCCGTGGTCCCTAAGTGTGAGCTTGGCGGACCGAGGCCACCTGCC TCCCTGCCTGCTTCGCCCTGGACTCGTACTGCGTCCGAGAAGAAATCACAAACAGCGCT GGAATTGCTAGTTTGTAGGCAGCATCTTTGGACCTGCGAACCATATGCATTTACCTC AAATTTGTTTCCAAGTTGAAAACCTTTGGTCTTTCTATGCGAACGGATTGAAGAAACGC AAAAAGTTTCTACGGACTTTAAATTAATAATGAAAAATATGAAAACCTGGGTTTGGTTGG AGAAGGGAGTTATGGAATGGTATGAAGTGTANGAATAAAGATACTGGAAGAATTGTGGC CATAAAGAAGTTCTTAGAAAAGTGACGATGACAAAATGGTTAAAAAGATTGCAATGCGAGA AATCAAGTTACTAAAGCAACTTANGCATGAAAACCTTNGTGAATCTCTTGGAGTGTGTA GAAAAAAAACGATGGTACCTAGTCNTTGAATTTGNTGACCACACAATTCTTGATGACTTG GAGCTCTTCCAATGGACTANACTACCAAGTAGNTCAAAGTATTTGTTTCAGATTATTA ATGGNAATTGGATTNTGTACAGTCACATTTTCTACACAGAGATATAAAGCCCGAGAATT ATTTATTTCTCCAGTCTGGCCGTGCAAGCTATGCGATTTTNNATTTGCGCCAACCTTTC CAGCTTCTGGGGAGGTTATACTGATTATGTTGGCAAACCGCATGTN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003948 unedited</p> <pre>NCCCAAATCTGGGCACATATAGAAGCTGTTGTTTGTCTTTTTTCCAAANCCATTGACT AGAAGTTAGCTGAAGAATTAAGTGAAGTCTTTTCTTTTACTCTGAGGAGCTTAATACT GAAATTTGACCTTGGATATTTAAGCCTCAAAGAGTAGGACATTCAGAGGAGGCAAT AAGGGGTTTCAATGTACAAGTCTATAGGTGGTGTAAATTAATAATTTGGTCTTGATTTAA AAGCTCTACTTTTAACTGTGACCAGCTGTTTGACAACATTAGTATGGATAACATGCGTG AAAAAAGTGGTATCAGCATTAAAGGCTGCATATTAAGGTTACTACTTTATTTTTTA CTTTGAAAAACTGCCAATAGATTCTGCGAGCATGGCAAACAGGTAATACTTAAAGCCAA ATGGCGCTTCGGCTTATTTCAATACTATTTTTATGTAAGATCAGTGTGAGAATATCAGC TCAATGGTTGAGGTTCTAGGATCAATTGCCTTGCAGTTTTTATACTAGCTTTTGATATCT TTTGCCTATTAACACTTTGTGAACCTTAGAATTAAGGAACTAAAAAATATTTACCATA AGTCCAAGTTATGACTTGAGGATCATATCTGATTAGAAGTGTGGCAGATCTACTAGAAA AGATTCTGCANATTGTTTCAGTGATTCTTGTGATGTAATCAACAAGATTACATAATCC ACAATTATAGATATTGAACCAAAATGATCCTTTTTTTAAGTTTAAAGTTTATTTAGTTTCT CTTGACAGGATATGATTTTATCCACCCTTATAGGGAATATGTGTTTGTACTGGTGGGGAC AGTGGGCTTTCGCCTGTTTGTATGTTAAAAAATAAAAAATATTATCTTCTGGGCTCCAAA GAGGGTTAAATTAATTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_003948
Insert Size:	4700 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_003948.2](#), [NP_003939.1](#)

RefSeq Size: 1993 bp

RefSeq ORF: 1482 bp

Locus ID: 8999

UniProt ID: [Q92772](#)

Cytogenetics: 4q21.1

Domains: pkinase, TyrKc, S_TKc

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: This gene product is a member of a large family of CDC2-related serine/threonine protein kinases. It accumulates primarily in the cytoplasm, with lower levels in the nucleus. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.