

## Product datasheet for **SC309471**

### **CDC2L1 (CDK11B) (NM\_033493) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CDC2L1 (CDK11B) (NM_033493) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDC2L1
Synonyms:	CDC2L1; CDK11; CDK11-p46; CDK11-p58; CDK11-p110; CLK-1; p58; p58CDC2L1; p58CLK-1; PK58
Vector:	<u><a href="#">pCMV6 series</a></u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_033493, the custom clone sequence may differ by one or more nucleotides

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ATGGGTGATGAAAAGGACTCTTGAAAGTGAAAACCTTAGATGAAATCTTCAGGAAAAG
AAACGAAGGAAGGAACAAGAGGAGAAAGCAGAGATAAACGCTTAAAAAATCTGATGAC
CGGGATCCAAGCGGGATTCCCTTGAGGAGGGGAGCTGAGAGATCACTGCATGGAGATC
ACAATAAGGAAC TCCCCGTATAGAAGAGAAGACTCTATGGAAGACAGAGGAGAAGAAGT
GATTCCTTTGGCCATCAAACCACCCAGCAAAATGTCTCGGAAAGAAAAAGTTCATCACAGA
AAAGATGAAAAGAGAAAAGAGAAAAGCATGCTAGAGTGAAGAAAAAGAAAGAGAGCAC
GAACGTCGGAACGCATCGAGAAGAACAGGATAAAGCTCGCCGGAATGGGAAAGACAG
AAGAGAAGGGAAATGGCAAGGGAGCATTCCAGGAGAGAAAAGGACCGCTTGGAGCAGTTA
GAAAGGAAGCGGGAGCGGGAGCGCAAGATGCGGGAGCAGCAGAAGGAGCAGCGGGAGCAG
AAGGAGCGCAGCGGGCGGAGGAGCGGCGCAAGGAGCGGGAGGCCCGCAGGGAAAGTG
TCTGCACATCACCGAACGATGAGAGAGGACTACAGCGACAAAGTGAAGCCAGCCACTGG
AGTCGACGCCCGCTCGGCCGCCGGGAGCGGTTGAGTTGGGAGACGGCCGGAAGCCA
GTAAAAGAAGAGAAAATGGAAGAAAGGGACCTGTGTCCGACTTACAGGACATCAGCGAC
AGCGAGAGGAAGACCAGCTCGGCCGAGTCTCGTCAGCAGAATCAGGCTCAGGTTCTGAG
GAAGAAGAGGAGGAGGAGGAAGAGGAGGAGGAGGAAGGGAGCACCAGTGAAGAATCAGAG
GAGGAGGAGGAGGAAGAGGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
TCAGAGCAGTCTGCCGAAGAAGTAAAGTGAAGGAAGAATGAGTGAAGATGAAGAACGAGAA
AATGAAAACCACTCTTGGTTGTTCCAGAGTACCGGTTCCAGCAGATTCGGGGAGAGT
GAAGAAGCAGAGGAAGAAGTGGGTGAGGGAACCCGCAGAGCAGCGCCCTGACAGAGGGC
GACTATGTGCCGACTCCCCTGCCCTGTGCCATCGAGCTCAAGCAGGAGCTGCCAAG
TACCTGCCGGCCCTGAGGGCTGCCGGAGCGTGGAGGATTCCAGTGCCTGAACAGGATG
GAGGAGGACACCTATGGAGTGGTCTACAGAGCAAAGACAAGAAAAACAGATGAAAATTGTG
GCTCTAAAGCGGCTGAAGATGGAGAAGGAGAAGGAGGGCTTCCCGATCACGTCGCTGAGG
GAGATCAACACCATCCTCAAGGCCAGCATCCCAACATCGTCACCGTTAGAGAGATTGTG
GTGGGCAGCAACATGGACAAGATCTACATCGTGATGAACTATGTGGAGCAGCACCTCAAG
AGCCTGATGGAGACCATGAAACAGCCCTTCTGCCAGGGGAGGTGAAGACCCTGATGATC
CAGCTGCTGCGTGGGTGAAACACCTGCACGACAACTGGATCCTGCACCGTGACCTCAAG
ACGTCAAACCTGCTGCTGAGCCACGCCGATCCTCAAGGTGGGTGACTTCGGGTGGCG
CGGGAGTACGGATCCCCTCTGAAGGCCTACACCCGGTCTGGTGACCCTGTGGTACCGC
GCCCAGAGCTGCTGCTTGGTGCAAGGAATACTCCACGCCGTTGGACATGTGGTCAGTG
GGTTGCATCTTCGGGAGCTGCTGACTCAGAAGCCTCTGTTCCCGGGAAGTCAGAAATC
GATCAGATCAACAAGGTGTTCAAGGATCTGGGACCCCTAGTGAGAAAATCTGGCCCGGC
TACAGCGAGCTCCAGCAGTCAAGAAGATGACCTTACAGCAGCACCCTACAACAACCTC
CGCAAGCGCTTCGGGGCTCTGCTCTCAGACCAGGGCTTCGACCTCATGAACAAGTTCTG
ACCTACTTCCCGGGAGGAGGATCAGCGCTGAGGACGGCTCAAGCATGAGTATTTCCGC
GAGACCCCTCCCATCGACCCCTCATGTTCCACAGTGGCCCGCAAGAGCGAGCAG
CAGCGTGTGAAGCGGGCACAGCCCGAGGCCCTGAGGGAGGCTGGGCTACAGCCAG
CTGGGTGACGACACTGAAGGAGACGGGCTTCCACCTTACCACCACGAACCAGGGGGCC
TCTGCCGCGGGCCCGGCTTACGCTCAAGTTCTGA
    
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**Restriction Sites:** Please inquire

**ACCN:** NM\_033493

**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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_033493.1</a></u> , <u><a href="#">NP_277028.1</a></u>
<b>RefSeq Size:</b>	2453 bp
<b>RefSeq ORF:</b>	2316 bp
<b>Locus ID:</b>	984
<b>Cytogenetics:</b>	1p36.33
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a member of the serine/threonine protein kinase family. Members of this kinase family are known to be essential for eukaryotic cell cycle control. Due to a segmental duplication, this gene shares very high sequence identity with a neighboring gene. These two genes are frequently deleted or altered in neuroblastoma. The protein kinase encoded by this gene can be cleaved by caspases and may play a role in cell apoptosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]</p> <p>Transcript Variant: This variant (9) lacks two separated internal coding regions when compared to variant 1. The resulting protein thus lacks a 11 aa and a 14 aa internal fragment, as compared to isoform 1.</p>