

## Product datasheet for **SC313865**

### CDC2L1 (CDK11B) (NM\_033487) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDC2L1 (CDK11B) (NM_033487) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDK11B
Synonyms:	CDC2L1; CDK11; CDK11-p46; CDK11-p58; CDK11-p110; CLK-1; p58; p58CDC2L1; p58CLK-1; PITSLREA; PK58
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>&gt;NCBI ORF sequence for NM_033487, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGAAGAAAGGGACCTGCTGTCCGACTTACAGGACATCAGCGACGAGAGGAAGACC AGCTCGGCCGAGTCCTCGTCAGCAGAATCAGGCTCAGGTTCTGAGGAAGAAGAGGAGGAG GAGGAAGAGGAGGAGGAGGAAGGGAGCACCAGTGAAGAATCAGAGGAGGAGGAGGAGGA GAGGAAGAGGAGGAGGAGGAGACCGGCAGCAACTCTGAGGAGGCATCAGAGCAGTCTGCC GAAGAAGTAAGTGAGGAAGAAATGAGTGAAGATGAAGAACGAGAAAATGAAAACCACTC TTGTTTGTTCAGAGTCACGGTTCGACCGAGATTCCGGGGAGAGTGAAGAAGCAGAGGAA GAAGTGGGTGAGGAACGCCGAGAGCAGCGCCCTGACAGAGGGCGACTATGTGCCCGAC TCCCCTGCCCTGTCGCCATCGAGCTCAAGCAGGAGCTGCCCAAGTACCTGCCGGCCCTG CAGGGCTGCCGGAGCGTCGAGGAGTTCAGTGCCTGAACAGGATCGAGGAGGGCACCTAT GGAGTGGTCTACAGAGCAAAAGACAAGAAAACAGATGAAATTGTGGCTCTAAAGCGGCTG AAGATGGAGAAGGAGAAGGAGGGCTTCCCGATCACGTCGCTGAGGGAGATCAACACCATC CTCAAGGCCCAGCATCCCAACATCGTCACCGTTAGAGAGATTGTGGTGGGAGCAACATG GACAAGATCTACATCGTGATGAATATGTGGAGCAGCACCTCAAGAGCCTGATGGAGACC ATGAAACAGCCCTTCTGCCAGGGGAGGTGAAGACCTGATGATCCAGCTGCTGCGTGGG GTGAAACACCTGCACGACAACCTGGATCCTGCACCGTGACCTCAAGACGTCCAACCTGCTG CTGAGCCACGCCGCGCATCCTCAAGGTGGTGACTTCGGGCTGGCGCGGGAGTACGGATCC CCTCTGAAGGCTACACCCCGGTGCTGGTGACCTGTGGTACCGCGCCCCAGAGCTGCTG CTTGGTGCCAAGGAATACTCCACGGCCGTGGACATGTGGTCAGTGGGTTCATCTTCGGG GAGCTGCTGACTCAGAAGCCTCTGTTCCCGGGAAGTCAGAAATCGATCAGATCAACAAG GTGTTCAAGGATCTGGGGACCCCTAGTGAGAAAATCTGGCCCGGTACAGCGAGCTCCCA GCAGTCAAGAAGATGACCTTCAGCGAGCACCCTACAACAACCTCCGCAAGCGCTTCGGG GCTCTGCTCTCAGACCAGGGCTTCGACCTCATGAACAAGTTCCTGACCTACTTCCCCGGG AGGAGGATCAGCGCTGAGGACGGCCTCAAGCATGAGTATTTCCGCGAGACCCCCCTCCCC ATCGACCCCTCCATGTTCCCACTGGCCCGCCAAGAGCGAGCAGCAGCTGTGAAGCGG GGCACCAGCCCGAGGCCCTGAGGGAGGCCTGGGCTACAGCCAGCTGGGTGACGACGAC CTGAAGGAGACGGGCTTCCACCTTACCACCACGAACCAGGGGGCTCTGCCGCGGGCCCC GGCTTCAGCCTCAAGTTC </pre>



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_033487
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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>	<a href="#">NM_033487.1</a> , <a href="#">NP_277022.1</a>
<b>RefSeq Size:</b>	2226 bp
<b>RefSeq ORF:</b>	1581 bp
<b>Locus ID:</b>	984
<b>UniProt ID:</b>	<a href="#">P21127</a>
<b>Cytogenetics:</b>	1p36.33
<b>Domains:</b>	pkinase, TyrKc, S_TKc
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

**Gene Summary:**

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]

Transcript Variant: This variant (3) differs in its 5' UTR and uses a downstream start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus, compared to isoform 1.