

## Product datasheet for **SC310140**

### **CDC2L1 (CDK11B) (NM\_033488) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CDC2L1 (CDK11B) (NM_033488) 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\_033488, the custom clone sequence may differ by one or more nucleotides

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ATGTCGCAGTCTGATGACCGGGATTCCAAGCGGGATTCCCTTGAGGAGGGGGAGCTGAGA
GATCACCGCATGGAGATCACAATAAGGAACTCCCCGTATAGAAGAGAAGACTCTATGGAA
GACAGAGGAGAAGAAGATGATTTTGGCCATCAAACCACCCAGCAAATGTCTCGGAAA
GAAAAAGTTTCATCACAGAAAAGATGAAAAGAGAAAAGAGAAAAGCATGCTAGAGTGAAA
GAAAAAGAAAAGAGAGACGAACGTCGGAACGACATCGAGAAGAACAGGATAAAGCTCGC
CGGGAATGGGAAAGACAGAAAGAGAAGGAAATGGCAAGGGAGCATTCCAGGAGAGAAAGG
GACCGCTTGGAGCAGTTAGAAAGGAAGCGGGAGCGGGAGCGCAAGATGCGGGAGCAGCAG
AAGGAGCAGCGGGAGCAGAAGGAGCGGAGCGGGCGGAGGAGCGGCGCAAGGAGCGG
GAGGCCCGCAGGGAAGTGTCTGCACATCACCGAACGATGAGAGAGGACTACAGCGACAAA
GTGAAAGCCAGCCACTGGAGTCGCAGCCCGCTCGGCCCGCGGGAGCGGTTTCGAGTTG
GGAGACGCGCCGGAAGCCAGTAAAAGAAGAGAAAATGGAAGAAAGGGACCTGCTGTCCGAC
TTACAGGACATCAGCGACAGCGAGAGGAAGACCAGCTCGGCCGAGTCTCTGTGAGCAGAA
TCAGGCTCAGGTTCTGAGGAAGAAGAGGAGGAGGAGGAAGAGGAGGAGGAGGAGGAGGAGC
ACCAAGTGAAGAATCAGAGGAGGAGGAGGAGGAAGAGGAAGAGGAGGAGGAGGAGGAGC
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GAAGATGAAGAACGAGAAAATGAAAACCACTTGTGGTTTCCAGAGTACGGTTTCGAC
CGAGATTCGCGGGAGAGTGAAGAAGCAGAGGAAGAAGTGGGTGAGGGAACGCCCGAGAGC
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AAGCAGGAGCTGCCCAAGTACCTGCCGGCCCTGCAGGGCTGCCGGAGCGTTCGAGGAGTTC
CAGTGCCTGAACAGGATCGAGGAGGGCACCTATGGAGTGGTCTACAGAGCAAAAGACAAG
AAAACAGATGAAATTGTGGCTCTAAAGCGGCTGAAGATGGAGAAGGAGAAGGAGGGCTTC
CCGATCAGCTCGCTGAGGAGATCAACACCATCCTCAAGGCCAGCATCCAACATCGTC
ACCGTTAGAGAGATTGTGGTGGGAGCAACATGGACAAGATCTACATCGTGATGAACTAT
GTGGAGCAGCAGCTCAAGAGCCTGATGGAGACCATGAAACAGCCCTTCTGCCAGGGGAG
GTGAAGACCCTGATGATCCAGCTGCTGCGTGGGGTGAACACCTGCACGACAACCTGGATC
CTGCACCCTGACCTCAAGACGTCCAACCTGCTGCTGAGCCACGCCGCATCCTCAAGGTG
GGTGACTTCGGGCTGGCGGGGAGTACGGATCCCCTCTGAAGGCCTACACCCCGGTCGTG
GTGACCCTGTGGTACCGCGCCCCAGAGCTGCTGCTTGGTGCCAAGGAATACTCCACGGCC
GTGGACATGTGGTCAGTGGGTTGCATCTTCGGGGAGCTGCTGACTCAGAAGCCTCTGTTC
CCCGGGAAGTCAGAAATCGATCAGATCAACAAGGTGTTCAAGGATCTGGGAGCCCTAGT
GAGAAAATCTGGCCCGGCTACAGCGAGCTCCACAGCAGTCAAGAAGATGACCTTCAGCGAG
CACCCCTACAACAACCTCCGCAAGCGCTTCGGGGCTCTGCTCTCAGACCAGGGCTTCGAC
CTCATGAACAAGTTCTGACCTACTTCCCCGGGAGGAGGATCAGCGCTGAGGACGGCCCTC
AAGCATGAGTATTTCCGCGAGACCCCCCTCCCCATCGACCCCTCCATGTTCCCCACGTGG
CCCCCAAAGAGCGAGCAGCAGCGTGTGAAGCGGGGCACCAGCCCGAGGCCCCCTGAGGGA
GGCCTGGGCTACAGCCAGCTGGGTGACGACGACCTGAAGGAGACGGGCTTCCACCTTACC
ACCACGAACCAGGGGGCTCTGCCGCGGGCCCCGGCTTACGCCTCAAGTTCTGA

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**Restriction Sites:** Please inquire

**ACCN:** NM\_033488

**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).

**OTI Annotation:** 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>NM_033488.1, NP_277023.1</u>
<b>RefSeq Size:</b>	2500 bp
<b>RefSeq ORF:</b>	2214 bp
<b>Locus ID:</b>	984
<b>Cytogenetics:</b>	1p36.33
<b>Domains:</b>	pkinase
<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 (4) contains an additional 5' internal fragment and lacks two separated internal coding regions when compared to variant 1. The additional fragment leads to a translation frame shift. The resulting protein has a unique first 3 aa and a 37 aa truncation at the N-terminus, and lacks two separated internal fragments, as compared to isoform 1.</p>