

## Product datasheet for **SC337429**

### **CDC2L1 (CDK11B) (NM\_001291345) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CDC2L1 (CDK11B) (NM_001291345) 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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001291345, the custom clone sequence may differ by one or more nucleotides

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ATGGGTGATGAAAAGGACTCTTGAAAGTGAACCTTTAGATGAAATTCCTCAGGAAAAGAAACGAAGGA
AGGAACAAGAGGAGAAAAGCAGAGATAAACCGCTTAAAAAATCTGATGACCGGGATTCCAAGCGGGATTC
CCTTGAGGAGGGGAGCTGAGAGATCACCGCATGGAGATCACAATAAGGAACTCCCGTATAGAAGAGAA
GACTCTATGGAAGACAGAGGAGAAGAAGATGATTTTGGCCATCAAACCACCCAGCAAATGTCTCGGA
AAGAAAAAGCTCATCACAGAAAAGATGAAAAGAGAAAAGAGAAACGGAAGCATGTAGAGTGAAAGAAAA
AGAAAAGAGAGCACGAACGTCGGAACCGCATCGAGAAGAACAGGATAAAGCTCGCCGGGAATGGGAAAGA
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GACTACAGCGACAAAGTAAAAGCCAGCCACTGGAGTCGACGCCCGCTCGGCCCGCGGGAGCGGTTCCG
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ATCGTGATGAACTATGTGGAGCACGACCTCAAGAGCCTGATGGAGACCATGAAACAGCCCTTCTGCCAG
GGGAGGTGAAGACCCTGATGATCCAGCTGCTGCGTGGGGTGAACACCTGCACGACAACCTGGATCCTGCA
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GCTGCTGACTCAGAAGCCTCTGTTCCCGGGAAGTCAGAAATCGATCAGATCAACAAGGTGTTCAAGGAT
CTGGGGACCCCTAGTGAGAAAATCTGGCCCGGCTACAGCGAGCTCCAGCAGTCAAGAAGATGACCTTCA
GCGAGCACCCCTACAACACCTCCGCAAGCGCTTCGGGGCTCTGCTCTCAGACCAGGGCTTCGACCTCAT
GAACAAGTTCTGACCTACTTCCCGGGAGGAGGATCAGCGCTGAGGACGGCCTCAAGCATGAGTATTTTC
CGCGAGACCCCTCCCATCGACCCCTCCATGTTCCCCACGTGGCCCGCAAGAGCGAGCAGCAGCGTG
TGAAGCGGGGACACAGCCGAGGCCCTGAGGGAGGCTGGGCTACAGCCAGCTGGGTGACGACGACCT
GAAGGAGACGGGCTTCCACCTTACCACCACGAACCAGGGGGCCTCTGCCGCGGGCCCGGCTTACGCTC
AAGTTCGA
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001291345
- 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).

<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_001291345.1</a> , <a href="#">NP_001278274.1</a>
<b>RefSeq Size:</b>	3072 bp
<b>RefSeq ORF:</b>	2319 bp
<b>Locus ID:</b>	984
<b>UniProt ID:</b>	<a href="#">P21127</a>
<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 (10) uses two alternate splice sites in the central coding region, compared to variant 1. The encoded isoform (10) is shorter, compared to isoform 1.</p>