

Product datasheet for **SC309469**

CDC2L1 (CDK11B) (NM_033489) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC2L1 (CDK11B) (NM_033489) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDC2L1
Synonyms:	CDC2L1; CDK11; CDK11-p46; CDK11-p58; CDK11-p110; CLK-1; p58; p58CDC2L1; p58CLK-1; PITSLREA; PK58
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_033489, the custom clone sequence may differ by one or more nucleotides

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ATGTCGCAGTCTGATGACCGGGATTCCAAGCGGGATTCCCTTGAGGAGGGGGAGCTGAGA
GATCACCGCATGGAGATCACAATAAGGAACTCCCCGTATAGAAGAGAAGACTCTATGGAA
GACAGAGGAGAAGAAGATGATTTTGGCCATCAAACCACCCAGCAAATGTCTCGGAAA
GAAAAAGTTTCATCACAGAAAAGATGAAAAGAGAAAAGAGAAAACGTAGGCATCGTAGCCAT
TCAGCAGAAGGGGGAAGCATGCTAGAGTGAAAGAAAAGAAAAGAGAGCAGCAAGACGTCGG
AAACGACATCGAGAAGAACAGGATAAAGCTCGCCGGGAATGGGAAAGACAGAAGAGAAGG
GAAATGGCAAGGGAGCATTCCAGGAGAGAAAGGGACCGCTTGAGCAGTTAGAAAAGGAAG
CGGGAGCGGGAGCGCAAGATGCGGGAGCAGCAGAAGGAGCAGCGGGAGCAGAAGGAGCGC
GAGCGGCGGGCGGAGGAGCGGCGCAAGGAGCGGGAGGCCCGCAGGGAAAGTGTCTGCACAT
CACCGAACGATGAGAGAGGACTACAGCGACAAAGTGAAAGCCAGCCACTGGAGTCGCAGC
CCGCTCGGCCCGCGGGAGCGGTTTCGAGTTGGGAGACGGCCGAAGCCAGTAAAAGAA
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GAGGAGGAGGAAGAGGAGGAGGAGGAAGGAGCACCAGTGAAGAATCAGAGGAGGAGGAG
GAGGAAGAGGAAGAGGAGGAGGAGGAGACCGGCAGCAACTCTGAGGAGGCATCAGAGCAG
TCTGCCAAGAAGTAAGTGAAGAAAGTGAAGTGAAGAACGAGAAAATGAAAAC
CACCTCTTGGTTGTTCCAGAGTCACGGTTCGACCGAGATTCCGGGGAGAGTGAAGAAGCA
GAGGAAGAAGTGGGTGAGGGAACGCCGAGAGCAGCGCCCTGACAGAGGGCGACTATGTG
CCCAGTCCCCTGCCCTGTGCCCATCGAGCTCAAGCAGGAGCTGCCAAGTACCTGCCG
GCCCTGCAGGGCTGCCGGAGCGTCGAGGAGTTCAGTGCCTGAACAGGATCGAGGAGGGC
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CGGCTGAAGATGGAGAAGGAGAAGGAGGGCTTCCCGATCACGTCGCTGAGGGAGATCAAC
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AACATGGACAAGATCTACATCGTGATGAACTATGTGGAGCACGACCTCAAGAGCCTGATG
GAGACCATGAAACAGCCCTTCTGCCAGGGGAGGTGAAGACCCTGATGATCCAGCTGCTG
CGTGGGGTGAACACCTGCACGACAACTGGATCCTGCACCGTGACCTCAAGACGTCCAAC
CTGCTGCTGAGCCACGCCGCATCCTCAAGGTGGGTGACTTCGGGCTGGCGGGGAGTAC
GGATCCCCTCTGAAGGCTACACCCCGTCTGGTGACCTGTGGTACCGCGCCCAGAG
CTGCTGCTTGGTCCAAGGAATACTCCACGGCCGTGGACATGTGGTCAAGTGGGTTGCATC
TTCGGGGAGCTGCTGACTCAGAAGCCTCTGTTCCCGGGAAGTCAAGAAATCGATCAGATC
AACAAAGGTGTTCAAGGATCTGGGGACCCCTAGTGAGAAAATCTGGCCCGGCTACAGCGAG
CTCCCAGCAGTCAAGAAGATGACCTTCAGCGAGCACCCCTACAACAACCTCCGCAAGCGC
TTCGGGGCTCTGCTCTCAGACCAGGGCTTCGACCTCATGAACAAGTTCTGACCTACTTC
CCCGGGAGGAGATCAGCGCTGAGGACGGCCTCAAGCATGAGTATTTCCGCGAGACCCCT
CTCCCCATCGACCCCTCCATGTTCCCACTGGCCCGCAAGAGCGAGCAGCAGCGTGTG
AAGCGGGGACCAAGCCGAGGCCCTGAGGGAGGCTGGGCTACAGCCAGCTGGGTGAC
GACGACCTGAAGGAGACGGGCTTCCACCTTACCACCACGAACCAGGGGGCCTCTGCCGCG
GGCCCCGGCTTACGCTCAAGTTCTGA

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Restriction Sites: Please inquire

ACCN: NM_033489

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.
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:	<ol style="list-style-type: none"> 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:	<u>NM_033489.1</u> , <u>NP_277024.1</u>
RefSeq Size:	2533 bp
RefSeq ORF:	2247 bp
Locus ID:	984
UniProt ID:	<u>P21127</u>
Cytogenetics:	1p36.33
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<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 (5) differs in its 5' UTR and 5' coding region, and uses an alternate splice site in the central coding region, compared to variant 1. The encoded isoform (5) is shorter and has a distinct N-terminus, compared to isoform 1.</p>