OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC119016

CDC2L1 (CDK11B) (NM_001787) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC2L1 (CDK11B) (NM_001787) 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
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001787 edited CGCGAATTCGGCACGAGGTTCTTCTCAGGCTCAGGGACCGGCCGCGGCCCCGTAGGGGTG AGTTCCGACTGGGCGGACCAGGTGTGGGAGCGCGACGAGAACTGCGCACCGAGGTCTTTC TTCCGAGCAGGCCTCGGAGCGGGGCGGACCCGGGCCCGGGGGCGAGCGACACCCTCGCTT CCGCGGACAGTCTCATCCCGCACGGAACTTTGGGTGGTGGAGGCGGCGGGTCCAAACGCT GTCTGGAGCCAACGTCTGCCAGGCTGAACCTCAAGTGTGCGGGACTGAACCCGAGGAAAT AGCCCAGTGCCCGGGTCAGGTGGCCTTGTTCGCGAGCACATCTCGGAGCATCTCCCCGGT CTCAAGGTGCAGCTGTCCAGTGTGCTAGTGGCTTCACGTAGTCCAAGCGGTCTTTCTAGC AGATTCTGACAGTAAAAGCAGTGTTTGATGAGTGGCAGGTCCTGAGTTAAGAGCCTTTAA ACGGATGATCTTTAATCCGCGATCGATACTATCACTGTTTTAACTCAAATGGGTGATGAA AAGGACTCTTGGAAAGTGAAAACTTTAGATGAAATTCTTCAGGAAAAGAAACGAAGGAAG GAACAAGAGGAGAAAGCAGAGATAAAACGCTTAAAAAATGTAAGCCATATTTTTTTAAGT AAGTGGTTTTCTTAAAGGAGATTTAATTTCTTTGCCCTCATTTTTCCATTAGAACAACGC TTCTTCGGTGAAGTTCTTTTGTACTTCCAAATGTCGCAGTCTGATGACCGGGATTCCAAG CGGGATTCCCTTGAGGAGGGGGAGCTGAGAGATCACTGCATGGAGATCACAATAAGGAAC TCCCCGTATAGAAGAGAAGACTCAATGGAAGACAGAGGAGAAGAAGATGATTCTTTGGCC ATCAAACCACCCCAGCAAATGTCTCGGAAAGAAAAAGTTCATCACAGAAAAGATGAAAAG AGAAAAGAAAAATGTAGGCATCATAGCCATTCAGCAGAAGGGGGGAAGCATGCTAGAGTG AAAGAAAGAGAGCACGAACGTCGGAAACGACATCGAGAAGAACAGGATAAAGCTCGCCGG GAATGGGAAAGACAGAAGAGAAGGGAAATGGCAAGGGAGCATTCCAGGAGAGAAAGGGAC CGCTTGGAGCAGTTAGAAAGGAAGCGGGAGCGGGAGCGCAAGATGCGGGAGCAGCAGAAG GAGCAGCGGGAGCAGAAGGAGCGCGAGCGGCGGGCGGAGGAGCGGCGCAAGGAGCGGGAG GCCCGCAGGGAAGTGTCTGCACATCACCGAACGATGAGAGAGGACTACAGCGACAAAGTG AAAGCCAGCCACTGGAGTCGCAGCCCGCCTCGGCCGCCGCGGGAGCGGTTCGAGTTGGGA GACGGCCGGAAGCCAGTAAAAGAAGAGAAAATGGAAGAAAGGGACCTGCTGTCCGACTTA CAGGACATCAGCGACAGCGAGAGGAAGACCAGCTCGGCCGAGTCCTCGTCAGCGGAATCA

View online »

GGCTCAGGTTCTGAGGAAGAAGAGGAGGAGGAGGAAGAGGAGGAGGAGGAAGGGAGCACC
AGTGAAGAATCAGAGGAGGAGGAGGAGGAAGAGGAAGAGGAGGAGGAGGAGACCGGCAGC
AACTCTGAGGAGGCATCAGAGCAGTCTGCCGAAGAAGTAAGTGAGGAAGAAATGAGTGAA
GATGAAGAACGAGAAAATGAAAACCACCTCTTGGTTGTTCCAGAGTCACGGTTCGACCGA
GATTCCAGGGAGAGTGAAGAAGCAGAGGAAGAAGTGGGTGAGGGAACGCCGCAGAGCAGC
GCCCTGACAGAGGGCAACTATGTGCCCGACTCCCCTGCCCTGTTGCCCATCGAGCTCAAG
CAGGAGCTGCCCAAGTACCTGCCGGCCCTGCAGGGCTGCCGGAGCGTCGAGGAGTTCCAG
TGCCTGAACAGGATCGAGGAGGGCACCTATGGAGTGGTCTACAGAGCAAAAGACAAGAAA
ACAGATGAAATTGTGGCTCTAAAGCGGCTGAAGATGGAGAAGGAGAAGGAGGGCTTCCCG
ATCACGTCTCTGAGGGAGATCAACACCATCCTCAAGGCCCAGCATCCCAACATCGTCACC
GTTAGAGTGAGCATGGCCCCACCACGCCTGGCCCCGGGTGGAAGGCTTTTCCGACAGGGC
CCCGTGCTGTCCTGGGGCCGGGTGCTTCCTACACTCTCCTGCACTTAGTGGAGCCCTTCA
CAGACCACACAGAAGAGATTGTGGTGGGCAGCAACATGGACAAGATCTACATCGTGATGA
ACTATGTGGAGCACGACCTCAAGAGCCTGATGGAGACCATGAAACAGCCCTTCCTGCCAG
GGGAGGTGAAGACCCTGATGATCCAGCTGCTGCGGGGGGTGAAACACCTGCACGACAACT
GGATCCTGCACCGTGACCTCAAGACGTCCAACCTGCTGCTGAGCCACGCCGGCATCCTCA
AGGTGGGTGATTTTGGGCTGGCACGGGAGTACGGATCCCCTCTGAAGGCCTACACCCCGG
TCGTGGTGACCCAGTGGTACCGCGCCCCAGAGCTGCTGCTTGGTGCCAAGGAATACTCCA
CGGCCGTGGACATGTGGTCAGTGGGCTGCATCTTCGGGGAGCTGCTGACTCAGAAGCCTC
TGTTCCCCGGGAATTCGGAAATCGATCAGATCAACAAAGTGTTCAAGGAGCTGGGGACCC
CCAGTGAGAAAATCTGGCCCGGCTACAGCGAGCTCCCAGCAGTCAAGAAGATGACCTTCA
GCGAGCACCCCTACAACAACCTCCGCAAGCGCTTCGGGGCTCTGCTCTCAGACCAGGGCT
TCGACCTCATGAACAAGTTCCTGACCTACTTCCCCGGGAGGAGGATCAGCGCTGAGGACG
GCCTCAAGCATGAGTATTTCCGCGAGACCCCCCTCCCCATCGACCCCTCCATGTTCCCCA
CGTGGCCCGCCAAGAGCGAGCAGCAGCGTGTGAAGCGGGGCACCAGCCCGAGGCCCCCTG
AGGGAGGCCTGGGCTACAGCCAGCTGGGTGACGACGACCTGAAGGAGACGGGCTTCCACC
TTACCACCACGAACCAGGGGGCCTCTGCCGCGGGCCCCGGCTTCAGCCTCAAGTTCTGAA
GGTCAGAGTGGACCCCGTCATGGGGAGAACTCAGCCGGGACCACAGGCGTGGCTACTGCG
GCTGGAGCTGCGATGAGACTCGGAACTCCTCGTCTTACTTTGTGCTCCATGTTTTGTTTT
TGTA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001787 unedited
TTGTAATACGACTCACTATAGGGGCGGCCGCGATTCGGCACGAGGTTCTTCTCAGGCTCA
GGGACCGGCCGCGGCCCCGTAGGGGTGAGTTCCGACTGGGCGGACCAGGTGTGGGAGCGC
GACGAGAACTGCGCACCGAGGTCTTTCTTCCGAGCAGGCCTCGGAGCGGGGCGGACCCGG
GCCCGGGGGCGAGCGACACCCTCGCTTCCGCGGACAGTCTCATCCCGCACGGAACTTTGG
GTGGTGGAGGCGGCGGGTCCAAACGCTGTCTGGAGCCAACGTCTGCCAGGCTGAACCTCA
AGTGTGCGGGACTGAACCCGAGGAAATAGCCCAGTGCCCGGGTCAGGTGGCCTTGTTCGC
GAGCACATCTCGGAGCATCTCCCCGGTCTCAAGGTGCAGCTGTCCAGTGTGCTAGTGGCT
TCACGTAGTCCAAGCGGTCTTTCTAGCAGATTCTGACAGTAAAAGCAGTGTTTGATGAGT
GGCAGGTCCTGAGTTAAGAGCCTTTAAACGGATGATCTTTAATCCGCGATCGATACTATC
ACTGTTTTAACTCAAATGGGTGATGAAAAGGACTCTTGGAAAGTGAAAACTTTAGATGAA
ATTCTTCAGGAAAAGAAACGAAGGAAGGAACAAGAGGAGAAAGCAGAGATAAAACGCTTA
AAAATGTAAGCCATATTTTTTTAAGTAAGTGGTTTTCTTAAAGGAGATTTAAATTTCTTG
CCCTCATTNTTCCATTAGAACAANCGCTTNCTCGGTGAAGNTCCTTTTGTACTTNCCAAT
GGTCGCAGNTCTGATGACCCGGGATTCCAAGCGGGGATTCCCTTGAGGAGGGGGGAGCTG
AGAGACACTGCATGGGAGACACATAAGGAANNCTCCCGTATAGAAGAGAAGAACTCATGG
GAGACAGAGGAGAAGAAGATGATTTT

3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_001787 unedited
NNNTTTTCTNNGNNACGCGGNCCGCATTCTAGNGATCGATTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTCCCCCCCACA
ACAGGGAAAAATGATTTAATTCTCCAATTTTCCAACCCAAAATCCAAAAACAAAACCGGG
GCCACAAATTAAAACAAGGGTTTCCAATTCTCATCCCACCCCCCGCCGCAATACCCCCCC
CTGGGGCCCCGGCTGATTTCCCCCAAAGACGGGGCCCATTCTGACCTTAAAAACTTGAGG
CTAAACCCGGGCCCCGGGGAAAAAGCCCCCTGTTTCGGGGGGGAAAGGGGGAAACCCCTC
TCCTTTCGGTCTCTCTCCCCCCCCCGGCTGGGTCCCAGGCCTCCCCAAGGGGGCCCCGGG
GCCGGACCCCCCCTTCAAACCTTAACGCCTCCTAATAGGCTCCCCAATTTTTAAATAATG
AAGTATCATTCGCCTCACGCCAGGACCGACCCCGCCCTTATTTGATTCCCCGCCTCCCGA
TAGAACCAGTCCCGTGGACTTACTCGACGCGACCGACACATAAATACATAAGGATCCCCC
AATTTTCTATCAGTATCTCGCTTCACCGCAACCCTCTCTAGATGGAACGGGGGCAAGCTC
ACGGGAGGCAGCGGCCCTCCCGGCCGCCGAACGATGCCGCCACACTCGCCGGATAGATTT
CCCCCACTAGACGACATAAAAAAACAAATAACGACCCAAACCTCACTAACCACATCTGAA
TCCGCACCGTACCATAATCCGTAATAGAAACGAAACGACAAGAGTTGTGTGCTCGTCTGG
GTACGGTGTCTGTCCCCTTGTCCAGTCTACCCCTCACCCCGATACCTAAGACGTGACACA
CACACTAGCTCACATCGCTACCCTACGCCAACACGCCCCG
```

Restriction Sites: NotI-NotI

ACCN: NM_001787

Insert Size: 3700 bp

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).

Reconstitution Method:
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: NM_001787.1, NP_001778.1

RefSeq Size: 2525 bp

RefSeq ORF: 2388 bp

Locus ID: 984

UniProt ID: P21127

Cytogenetics: 1p36.33

Domains: pkinase, TyrKc, S_TKc

Protein Families: 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 (1) encodes the longest isoform (1).