

Product datasheet for **SC309594**

CDC2L5 (CDK13) (NM_031267) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC2L5 (CDK13) (NM_031267) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDK13
Synonyms:	CDC2L; CDC2L5; CHDFIDD; CHED; hCDK13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309594 representing NM_031267. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGAGCAGCTCGGACACGGCGCTGGGGGAGGCGGGGCCTGAGCTGGGCGGAGAAGAAGTTGGAG
GAACGCCGCAAGCGGAGGCGATTCTGTCCCTCAGCAGCCGCGCTGCTGTTGCCGCTCTGCAGCCG
CAGCTCTGCAACCGCCGCGCCCGCCGCTCTGCTCTTCTGGTGTCTCCGGCAGCCGCGCCG
GCAGCCGCGCCGCGCGGCTCTCTCTTGTCTCAGCCGGGCCCCCTCTGGAGGTCAAGCGGCTG
GCGAGAGGCAAGAGGCGCGCAGGAGGGCGCAGAAGCGGCGTCCGGGCCCCGCGCGGGCAGGAGCG
GAGAAGCGTCGGGTCTTCTCGTGCAGCCAGCCGAGCAGGACGGCGGTGGCGGTGCTAGTAGCGGGG
GGTGTGACCCCGTGGTGAATACGAGGATGTGAGCTCCAGTCCGAGCAGGGGCTGCTGCTGGGGGG
GCCAGCGCGCAACCGCGCGCAGGCTGCCGGGGAACGGGGGGCAGCGCGGGAGTCCGGCCTCTCC
TCCGGCACCCAGCGCGCGGGGAGGGTCCGAGCGCAGGCCCCGCGGGACCGCCGAGCAGCAGTGGC
CGCAGCAAGGAGCGCCACCGCGAGCACCAGCGCGGATGGGAGCGCGGTGGCAGCGAGGCTCCAAG
TCCCGCAGCCGCCACAGCCACAGCGGCGAGGAACGGGCCGAGGTCCGCAAGAGCGGCAGCAGCAGC
AGCGGCGCCCGCGAAAAGCGCTTCGGCCACATCCAGCAGCAGTAGCAGCCGAAGGACCGGGACTCG
AAGGCCACCGCAGCCGACTAAGTCTCAAGGAGCCGCTTCGGCTACAAGGAACCGCCAAAGGCC
TACCGGAGGACAAGACCGAGCCTAAGGCTACAGCGCGGCGGTCCCTCAGCCACTGGGAGGCCGG
GACGACAGCCCGGTGTCCACAGGGCTCTCAGAGCCTGAGGAGCCGCAAGTCCCCAGCCCGCAGGA
GGTGGCAGCAGCCCTATTCTCGCGGCTGCCGCGCTCCCGAGCCCTACAGTCCGCGCGCTCCCCC
AGCTACAGCCGCCACAGCTCTACGAGCGGGGCGGCGAGTGTCCCTAGTCCCTACAGCAGCAGCAGC
TGGCGCCGCTCTCGAGTCCCTACAGCCCTGTGCTCAGACGGTCTGGAAAATCCCGAAGCAGAAGCCG
TATTCATCTAGGCATTCAAGATCTCGTAGCAGGCACAGATTGTCTAGATCCAGAAGTCTGCTATTCTAGT
ATTTCTCTAGCACACTAACTCTGAAGAGTAGCCTGGCAGCTGAATTGAACAAGAATAAAAAAGCACGA
GCAGCAGAGGCAGCAAGAGCCGAGAAGCAGCGAAAGTGCAGAAGCAACTAAGGCTGCTGAGGCTGCT
GCCAAGGTGCAAAAGCTTCAAACACTTCTACACCTACCAAGGGGAACACGGAACTAGTGCCAGTGA
```



[View online »](#)

TCACAAACAAACCATGTGAAGGATGTGAAGAAAATTTAAAAATTGAACATGCACCTTCTCCCTCAAGTGGT
 GGAACCTTTAAAAATGACAAAGCAAAAACAAAGCCACCTCTTCAGGTAACGAAGGTGAAAAATAATTTG
 ATTGTAGATAAAGCCACCAAGAAAGCAGTCATAGTTGGAAAGGAGAGTAAATCTGCTGCTACAAAGGAG
 GAATCAGTATCTCTTAAAGAGAAAACCAAAACCCTTACACCAAGCATAGGAGCCAAGGAGAAGGAGCAA
 CATGTAGCTTTAGTCACCTCTACATTACCACCGTTACCTTTGCCTCCCATGCTGCCTGAAGATAAAGAA
 GCTGATAGCTTACGAGGAAATATTTTCAGTAAAAGCAGTTAAAAAGAAGTAGAAAAAGAACTCCGATGT
 CTTCTTGCTGATTTACCCTGCCCCCTGAGCTACCAGGAGGAGATGATCTTTCAAAGAGTCCAGAGGAA
 AAGAAAAACAGCAACACAGTTACATAGTAAAAGGAGGCCTAAAATATGTGGGCCTCGCTATGGTGAAACC
 AAAGAAAAAGATATTGACTGGGAAAAACCTGCGTGGATAAAATTTGATATCATCGGAATTATTGGAGAA
 GGTACTTACGGACAAGTTTACAAAGCCAGGGATAAAGACACTGGAGAAATGGTAGCCTTAAAAAAGTA
 CGTCTGGATAATGAAAAGGAAGGCTTTCCAATTACAGCAATTCGAGAAATTTAAAAATCTCCGGCAGCTT
 ACCCATCAGAGTATTATCAATATGAAGGAAATAGTACTGATAAAGAAGATGCTTTGGATTTCAAGAAG
 GACAAAGGTGCATTTTATCTGGTGTGTAATATATGGACCATGATCTGATGGGACTACTGGAATCAGGC
 TTGGTTCAATTTAATGAAAATCACATAAAGTCATTTATGAGACAGCTCATGGAGGGTCTGGATTATTGT
 CATAAGAAGAACTTTTGCATAGAGATATTAATGTTCCAATATCCTTCTAAATAATAGAGGGCAGATA
 AAACCTGCAGACTTTGGACTTGCTCGATTGTATAGCTCAGAAGAAAGTCCGCCGATACTAACAAGGTA
 ATTACTTTATGGTACCGTCCACCTGAACTGCTACTGGGAGAAGAACGATACACACCAGCCATTGATGTA
 TGGAGCTGTGGCTGTATCCTTGGCGAAGCTTCTCACTAAAAACCTATATTTCAAGCAAAATCAGGAACTT
 GCACAAC TAGAATTAATAAGCCGAATA GTGGGAGTCCATGTCCTGCAGTGTGGCCTGATGTAATCAAA
 CTACCATATTTCAACACCATGAAACCAAGAAGCAATATCGTCGAAAGTTAAGAGAAGAATTTGTTTTT
 ATTCCTGCAGCTGCGCTAGACTTATTTGATTACATGCTTGCTTGGATCCTAGTAAGCGCTGCAGTCTGCT
 GAACAGGCTCTCAGTGGCAGTTCTCCGAGATGTGGAACCTCAAAAATGCCTCCACCAGATCTCCCT
 TTATGGCAAGATTGTCATGAGTTATGGAGTAAAAGCGAAGAAGACAGAAGCAGATGGGCATGCTGAT
 GATGTTTTCCACAATTAAGCCCCAGGAAGGACTTGTCTCTGGGCTTGGATGACAGCAGAACCAACACA
 CCCCAGGGTGTGCTGCCATCTTACAGCTGAAATCTCAGGGCAGCTCAAATGTGGCACCTGGTGAAAAA
 CAGACAGATCCATCAACACCACAACAGGAGTCTTCAAACCGTTGGGAGGAATTCAGCCTTCTTCTCAG
 ACCATCCAGCCTAAAGTGGAGACTGATGCTGCCAGGCGGCTGTGCAGAGTGCATTTGCAGTTCTGTTG
 ACTCAGTTAATAAAGGCTCAGCAGTCAAAGCAGAAAGATGTGCTACTAGAAGAGAGGGAAAAATGGATCG
 GGACATGAAGCGTCATTACAACCTCAGGCCACCTCCAGAACCTAGCACTCCGGTGTGGGACAAGATGAC
 CTCATCCAGCATCAAGATATGAGGATCTTGGAGCTAACGCCAGAACCAGACCGGCCCTCGAATTCTGCCT
 CCTGACCAACGACCTCCCGAGCCTCCTGAACCACCACCAGTCACTGAGGAAGATCTAGATTATCGGACA
 GAAAACAGCATGTACCCACCACAGTTCTTCACTAACTGACCCTCATGCCGGAGTGAAGGCAGCCCTG
 TTACAGCTGCTTGTGCTCAGCATCAGCCCCAGGATGACCCCAAAAGAGAAGGTGGGATTGATTATCAAGCA
 GGAGACACTTACGTGTCCACTTCAGACTACAAGGACAACCTTTGGATCCTCTTCTTCTCTCTGCTCCT
 TATGTTAGCAATGATGGTCTAGGAAGCAGTTCTGCTCCACCCTAGAACGACGTAGTTTCATTGGAAT
 TCAGATATTCAGTCTTTGGATAACTACAGTACTGCTTCATCTCATTCTGGTGGTCCACCTCAGCCTTCT
 GCCTTTTCTGAGTCATTTCCAGTTCAGTAGCTGGATA GGAGACATTTACCTCAATGCTGGTCCCATG
 TTGTTTAGTGGAGACAAGGACCATAGATTTGAATATAGCCATGGTCTATTGCAGTCTGGCAAACAGC
 AGTGACCCTTCCAGGGGCCAGAGACTCATCCTTTGCCAGCAAAGATGCACAACATAACTATGGT
 GGTAACTTACAGGAAAAATCCGAGTGGCCCCAGCCTCATGCATGGACAGACCTGGACTTCTCTGCCCAA
 GGACCTGGATATTCACAAGGATACAGGGGACATATTAGCACATCAACTGGCAGAGGCAGAGGCAGAGGG
 TTACCATACTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-Mlul
 Plasmid Map:
 ACCN: NM_031267
 Insert Size: 4359 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).
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:	NM_031267.3
RefSeq Size:	6805 bp
RefSeq ORF:	4359 bp
Locus ID:	8621
UniProt ID:	Q14004
Cytogenetics:	7p14.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
MW:	158.4 kDa
Gene Summary:	<p>The protein encoded by this gene is a member of the cyclin-dependent serine/threonine protein kinase family. Members of this family are well known for their essential roles as master switches in cell cycle control. The exact function of this protein has not yet been determined, but it may play a role in mRNA processing and may be involved in regulation of hematopoiesis. Alternatively spliced transcript variants have been described.[provided by RefSeq, Dec 2009]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>