

## Product datasheet for **SC310510**

### CCNK (NM\_003858) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCNK (NM_003858) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCNK
Synonyms:	CPR4; cyclin K; MGC9113
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_003858 edited  
 ATGAAGGAGAATAAGAAAATTC AAGCCCTTCAGTAACTTCAGCAAACCTGGACCACACA  
 AAGCCATGTTGGTACTGGGATAAGAAAGACTTGGCTCATACACCCTCACAACCTGAAGGA  
 CTTGATCCAGCCACCGAGGCCCGGTACCGCCGAGAGGGCGCTCGTTTCATCTTTGATGTG  
 GGCACACGTTTGGGGCTACACTATGATACCCTGGCAACTGGAATAATTTATTTTCATCGC  
 TTCTATATGTTTCATTCTTCAAGCAATCCCAAGATATGTGACAGGAGCCTGTTGCCTC  
 TTTCTGGCTGGGAAAGTAGAAGAAACACCAAAAAATGTAAGATATCATCAAAACAGCT  
 CGTAGTTTATTAATGATGTACAATTTGGCCAGTTTGAGATGACCCAAAGGAGGAAGTA  
 ATGTTTCTGGAGAGAATCTTACTGCAGACCATCAAGTTTGATTTACAGGTAGAACATCCA  
 TACCAGTTCCTACTAAAATATGCAAAGCAACTCAAAGGTGATAAAAAACAAAATTCAAAAG  
 TTGTTCAAATGGCATGGACATTTGTAATGACAGTCTCTGCACCACCTTGCTCACTGCAG  
 TGGGAACCAAGAGATCATAGCAGTAGCAGTGATGTATCTCGCAGGACGTTTGTGCAAATTT  
 GAAATACAAGAATGGACCTCAAACCCATGTATAGGAGATGGTGGGAGCAGTTTGTTCAA  
 GATGTCCCGGTGACGTTTTTGGAAAGACATCTGCCACCAATCCTGGATCTTTACTCACAA  
 GGAAAACAACAGATGCCTCATCACACCCCATCAGCTGCAACAGCCCCATCTCTTCAG  
 CCTACACCACAAGTGCCGCAAGTACAGCAGTACAGCCGTCTCAAAGCTCCGAACCATCC  
 CAGCCCCAGCAGAAGGACCCCTCATCTCCTCCAGGGTTGGGCTGCCGCCAGCCAGCT  
 ACCCACCTCCTGCCGTCCCCCTGGAGGACAGCCTCCTGTGCCCCGCCATTCCCCAC  
 CCGGCATGCCTCAGTTGGGGGCTGGGCGGGCAGCCTGGATGA



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<b>5' Read Nucleotide Sequence:</b>	>Reverse primer walk for NM_003858 unedited CTCATGGTTTGAAGTCCCTCTTGTTCAAATTGAACACACTCCTGNCGNAGNATACATCA NNCTGCTACTGCTATGATCTCTGGTTCCCACTGCAGTGACAAGGTGGTGCAGAGACTGTC ATTTACAAATGTCATGCCATTTGAACCAACTTTTGAATTTTGTTCATCACCTTTGAG TTGCTTTGCATATTTTAGTAGGAACTGGTATGGATGTTCTACCTGTAATCAAACCTTGAT GGCTGCAGTAAGATTCTCTCCAGAACCATTACTTCTCCTTTGGGTCATCTCCAAACTG GCCAAATTGTACATCATTTAATAAACTACGAGCTGTTTTGATGATATCTTTACATTTTTT TGGTGTTCCTTCTACTTTCCAGCCAGAAAGAGGCAACAGGCTCCTGTCACATATCTTGG GAATTGCTTGAAGGAATGAAACATATAGAAGCGATGAAAATAAATTATTCCAGTTGCCAG GGTATCATAGTGTAGCCCCAACGTGTGCCACATCAAAGATGAACCGAGCGCCCTCTCG GCGGTACCGGCCTCGGTGGCTGGATCAAGTCCTTCAAGTTGTGAGGGTGTATGAGCCAA GTCTTTCTATCCAGTACCAACATGGCTTTGTGTGGTCCAAGTTTGTGAAATTACTGA AGGGCTTGAATTTCTTTATTCTCCTTCATTTATTGAAGTAAGCTTGTCTTTCCAAAAG GTTCTCTGAAAAAGTAAAATCCCCTCGCTTCAAGCAAGCCCCCTCAGCGACGTCTTCTC TTGACCACTGCGGCTCGTGCCGAATTCCCGGACCCCTTAAATGAGTCTATTTACAAA AATTCTTAACGGTCCCTAAAACAAGCTTTCCTTATTAATAA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_003858
<b>Insert Size:</b>	1700 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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_003858.2, NP_003849.2</u>
<b>RefSeq Size:</b>	1946 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	8812
<b>Cytogenetics:</b>	14q32.2
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

**Gene Summary:**

The protein encoded by this gene is a member of the transcription cyclin family. These cyclins may regulate transcription through their association with and activation of cyclin-dependent kinases (CDK) that phosphorylate the C-terminal domain (CTD) of the large subunit of RNA polymerase II. This gene product may play a dual role in regulating CDK and RNA polymerase II activities. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) uses alternate splice sites in the 3' coding region and lacks two coding exons, compared to variant 1, resulting in a shorter protein (isoform 2) with a unique C-terminus, compared to isoform 1.