

## Product datasheet for **RG222559**

### CCNK (NM\_001099402) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCNK (NM_001099402) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCNK
Synonyms:	CPR4; IDDHDF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG222559 representing NM\_001099402  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGGAGAATAAAGAAAATTCAAGCCCTTCAGTAACTTCAGCAAACCTGGACCACACAAGCCATGTT  
 GGTACTGGGATAAGAAAGACTTGGCTCATACCCCTCACAACCTGAAGGACTTGATCCAGCCACCGAGGC  
 CCGGTACCGCCGAGAGGGCGCTCGGTTTCATCTTTGATGTGGGCACACGTTTGGGGCTACACTATGATACC  
 CTGGCAACTGGAATAATTTATTTTCATCGCTTCTATATGTTTCATTCTTCAAGCAATCCCAAGATATG  
 TGACAGGAGCCTGTTGCCTCTTTCTGGCTGGGAAAGTAGAAGAAACACCAAAAAATGTAAGATATCAT  
 CAAAACAGCTCGTAGTTTATTAATGATGTACAATTTGGCCAGTTTGGAGATGACCCAAAGGAGGAAGTA  
 ATGTTTCTGGAGAGAATCTTACTGCAGACCATCAAGTTTGATTTACAGGTAGAACATCCATACCAGTTCC  
 TACTAAAATATGCAAAGCAACTCAAAGGTGATAAAAAACAAAATTCAAAAGTTGGTTCAAATGGCATGGAC  
 ATTTGTAATGACAGTCTCTGCACCACCTTGCTACTGCAGTGGGAACCAGAGATCATAGCAGTAGCAGTG  
 ATGTATCTCGCAGGACGTTTGTGCAAATTTGAAATACAAGAATGGACCTCCAAACCCATGTATAGGAGAT  
 GGTGGGAGCAGTTTGTCAAGATGTCCCGGTCGACGTTTGTGAAGACATCTGCCACCAAAATCCTGGATCT  
 TTACTCACAAGGAAAACAACAGATGCCTCATCACACCCCATCAGCTGCAACAGCCCCATCTCTTCAG  
 CCTACACCACAAGTGCCGCAAGTACAGCAGTCACAGCCGCTCTCAAAGCTCCGAACCATCCAGCCCCAGC  
 AGAAGGACCCCCAGCAACCAGCCAGCAGCAGCAGCCAGCCCAACAGCCCAAGAAACCTCTCCGACGCC  
 CAGTTCTCCCGACAGGTTAAGCGAGCCGTTGGTTGTTTCTCCAAAGAAGAGAACAAGCAGCAGAACCA  
 CCACCACCTAAAATCCCCAAAATGAGACCACTCATCCACCGTTGCCTCCAGCCACCCACCTCCAGACC  
 GGAAGCTCCCTCGCTGCTGCCTTAGGTGAGGCTGAGCCGCGGGCCCTGTGGATGCCACTGACCTCCC  
 CAAAGTCCAGATTCCCCCTCCGGCCACCCGCCCCCTGTGCACCAGCCACCGCCGCTGCCACACCGGCC  
 CCGCCCCACCCCTCCAGCTACATGACCGGGATGTCCACCACCAGCTCCTACATGTCTGGAGAGGGCT  
 ACCAGAGCCTGCAGTCCATGATGAAGACCGAGGGACCCTCTACGGTGCCTGCCCCCGCCTACGGCCC  
 ACCTGCACACCTGCCCTACCACCCCATGTCTACCCGCCAACCCGCCCCCGCCACCTGTGCCTCTCCC  
 CCAGCCTCCTCCCCCACCTGCCATCCACCCCTACTCCTGGTACCCCCACCCACCCACCTACA  
 ACCCAACTTCCACCCACCCACCGCTCCCGCTACCCACGCAGTCCCCCTCATCTCTCCAGG  
 GTTGGGCTGCCGCCAGCCAGCTACCCACCTCCTGCCGTCCTCCCTGGAGGACAGCTCCTGTGCCCCG  
 CCCATTCCCCACCCGGCATGCCTCCAGTTGGGGGCTGGGGCGGCAGCCTGGATGAGA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG222559 representing NM\_001099402  
 Red=Cloning site Green=Tags(s)

MKENKENSPPSVTSANLDHTKPCWYWDKDLAHTPSQLEGLDPATEARYRREGARFIFDVGTRLGLHYDT  
 LATGIIYFHRFYMFHSFKQFPRVYTGACCLFLAGKVEETPKKCKDIKTARSLNDVQFGQFGDDPKEEV  
 MVLERILLQTIKFDLQVEHPYQFLLKYAKQLKGDKNKIQLVQMAWTFVNDLCTTSLQWEPEIIAVAV  
 MYLAGRLCKFEIQEWTSKPMYRRWWEQFVQDVPVDVLEDIHQILDLYSQGKQMPHHTPHQLQPPSLQ  
 PTPQVPVQVQSQPSQSEPSQPQKDPQQAQQQPAQQPKKPSQPSSPRQVKRAVVVSPKEENKAAEP  
 PPPKIPKIEIETHPLPPAHPDRKPLAAALGEAEPGPVDAIDLKPVQIPPAHPAPVHQPPPLPHRP  
 PPPSSYMTGMSTTSSYMSGEGYQSLQSMKTEGPSYGALPPAYGPPAHLPYHPPHYPPNPPPPVPPP  
 PASFPPPAIPPPTPGYPPPPPTYNPNFPPPPRPPPTHAVPPHPPGLGLPPASYPVPPVPPGQPPVPP  
 PIPPPGMPPVGLGRAAWMR

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

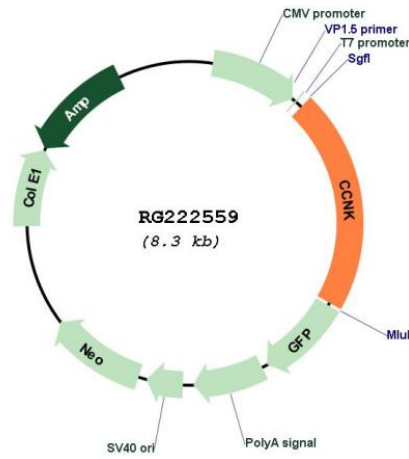
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_001099402  
 ORF Size: 1740 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001099402.2</a>
<b>RefSeq Size:</b>	2618 bp
<b>RefSeq ORF:</b>	1743 bp
<b>Locus ID:</b>	8812
<b>UniProt ID:</b>	<a href="#">O75909</a>
<b>Cytogenetics:</b>	14q32.2
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	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]