

Product datasheet for **SC127110**

Cyclin C (CCNC) (BC026272) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Cyclin C (CCNC) (BC026272) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Cyclin C |
| Synonyms: | AI451004; AU020987; CG1C; cyclin C; dj199J3.4 (cyclin C); OTTMUSP00000005013 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for BC026272, the custom clone sequence may differ by one or more nucleotides

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GATTTGATCGAGGAGCGCGGTTACCGGACGGGCTGGGTCTATGGTCGCTCCGCGGGCCGCTCCGCCGGCT
GGTGCTTTTTTATCAGGGCAAGCTGTGCCATGGCAGGGAACCTTTGGCAGAGCTCCCACTATTTGCAA
TGGATTTTGGATAAAACAAGATCTGTTGAAGGAGCGCCAAAAGGATTTAAAGTTTCTCTCAGAGGAAGAAT
ATTGGAAGTTACAAATATTTTTTACAAATGTTATCCAAGCATTAGGTGAACATCTTAAATTAAGACAACA
AGTTATTGCCACTGCTACGGTATATTTCAAGAGATTCTATGCCAGGTATTCTCTGAAAAGTATAGATCCT
GTATTAATGGCTCCTACATGTGTGTTTTGGCATCCAAAGTAGAGGAATTTGGAGTAGTTTCAAATACAA
GATTGATTGCTGCTGCTACTTCTGTATGTAAGTGCAAAAAGTATATCTGCTTTAAGGATGTAATTCTAAA
GAAAGCTCCAGAGTACATAGATTTTTTTTTTTTTAGTTTATGAGACATATGAGATTGGTTGGCTTTATTA
AATTTCTGAGGATAACTTTATATCTAGTGTATCTGGCAAAAAATCAAGCTAAAAGGTTTTTTTTTAAA
AAGATATAAAGATATTACTTTTAAATGTTAAAATGGATAGTAATTATCAATCCAAAACATCAACTCAGTG
GCTTTTAACTTTGTAAGAGTAAAGAAAAAATTCTGTTCCGAATTTTATTGATTTTATTGTTTTCTAAT
GACTATTATGTCATTCTTATGGGTAGATATTAATATCTATGTGCAAAACCGTTCCCTGTGTTGGGTTG
TTATGAGGACCAATGAGTTAATAAAGCTTTTAGAACAGTGCCTTGCTTAGTATGTTACTTTGCTGAGG
CTGCCATAACAAAATGCCACAGAACAGGTGGCTTAAACAACAGAAGCGTATTTTCTCACAGTTTTAGAGC
ATGGAATCCAAGATCAAGGTGTCTGGCTATTCTTACATGGACCTTTCTGTGAGCACACACACTCCTGGT
TTGCTGTCTTCTCATGTGAGGACAATAGTCTTACAGAATTAGGCCCACTCTTATGTCCTCATTTAATC
TTTTTTTTTCTTTCTTTTTTTTTTTTTTTTTTTTGGAGACAGAGTCTCGCTCTGTCGCCAGGCTGGAGT
GCTCACTTCAACTCCGCCTCCTGGGTTCAAGTATTCTCCTGCCTCAGCCTCCTGAGTACCTGGGACTA
CAGGCATGTGCCACCATTGCCAGCTCATTTTTGTATTTTTTATGATAGAGACGGGTTTACCATGTTGGCC
AGACTGGTCTCAAACTCCTGATCTCGTATCCGCTAGCCTCGGCCTCCCAACGTGCTGGGATTATAGGTG
TGAGCCACCATGTCTGGCCTGTCCTCATTTAATCTTATCCCTTTAAGACCCTCTCTCCAAATACAGTCA
CATTCTGAGGTAAGGAGTTAGGGCTTCAACATACGAATTTTGGAGGGGACATATATTGGTCCACAAT
ACTTGGTAAACTTTAGGGGCTATCATCATCATCATCTTCAATGACAACAACATCATTATCACTGGAA
AACACTGTGCCAATGCAGTGGCATTGGTACCAAGGTAATAACAAGGAATTTAAGGACAAAAAAGAAGA
CAGAAACATAAAAAATTAATACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for BC026272 unedited

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GGTTCACATTTGTATACGACTACTATAGGGCGGCCGGAATTCGCACGAGGTTCTTTTCG
CCGTCGCCCGCCGGAGCGGAGTCGAGCCGAGCTGATTTGATCGAGGAGCGCGGTTACCG
GACGGGCTGGGTCTATGGTCGCTCCGCGGGCCGCTCCGCCGGCTGGTGCTTTTTTATCAG
GGCAAGCTGTGTTCCATGGCAGGGAACCTTTGGCAGAGCTCCCACTATTTGCAATGGATT
TTGGATAAACAAGATCTGTTGAAGGAGCGCCAAAAGGATTTAAAGTTTCTCTCAGAGGAA
GAATATTGGAAGTTACAAATATTTTTTACAAATGTTATCCAAGCATTAGGTGAACATCTT
AAATTAAGACAACAAGTTATTGCCACTGCTACGGTATATTTCAAGAGATTCTATGCCAGG
TATTCTCTGAAAAGTATAGATCCTGTATTAATGGCTCCTACATGTGTGTTTTGGCATCC
AAAGTAGAGGAATTTGGAGTAGTTTCAAATACAAGATTGATTGCTGCTACTTCTGTA
TGTAAGTGCAAAAAGTATATCTGCTTTAAGGATGTAATTCTAAAGAAAGCTCCAGAGTAC
ATAGATTTTTTTTTTTTTTATGTTTATGAGACATATGAGATTGGTTGGCTTTATTAATTT
CCTGAGGATACCTTTATATCTAGTGTATCTGGCAAAAAATCAAGCTAAAGGTTTTTTTT
TTAAAAGATATAAAGATATTACTTTTTATGTTAAAATGGATAGTANTTATCAATCCAAA
ACATCAACTCAGTGGCTTTTATCCTTGTAGAAGTAAGAAAAAATTCTGTTTCCAAATTTA
TGGATTTTATTGTTTCTATGACATTAGNCATTCTAAGGTAGAATTATATCATGTGCAAC
CCGT
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| 3' Read Nucleotide Sequence: | >OriGene 3' read for BC026272 unedited CCCCCTATTACTATGACGCGGCCGCTTTNANNGATCGGTTTTTTTTTTTTTTTTTTTGT CCTTAAATTTTTTGTATTTTACCTTGGTACCAATGGCAGTGGATTGGCACAGTGTTTCC AGTGATAATGATGTTGTTGTCATTGAAGATGATGATGATGATGATAGCCCTAAAGTTTA CCAAGTATTGTGGACCAATATATATCCCCTCCAAAATTCGTATGTTGAAGCCCTAACTC CTAGTACCTCAGAATGTGACTGTATTTTATAGAGGGTCTTTAAAGGGATAAGATTAAT GAGGACAGGCCAGACATGGTGGCTCACACCTATAATCCCAGCACGTTGGGAGGCCGAGGC TAGCGGATCACGAGATCAGGAGTTTGAGACTAGTCTGGCCAACATGGTGAACCCCGTCT CTAATAAAAAATACAAAATGAGCTGGGCATGGTGGCACATGCCTGTAGTCCCAGGTACT CAGGAGGCTGAGGCAGGAGAATCACTTGAACCCAGGAGGCCGAAGTTGAAGTGAGCACTC CAGCCTGGGCGACAGAGCAAGACTCTGTCTCAAAAAAAAAAAAAAAAAAGAAAGAAAAA AAAAGATTAATGAGGACATAAGAGTGGGGCTAATTCTGTAAGACTATTGCTCTCACAT GAAGAAGACAGCAAACCAGGAGTGTGTGTGCTCACAGAAAGGTCCATGTAAGAATAGCCA GACACCTTGATCTGGATTTCCATGCTCTAAAACCTGTGAGAAAAACGCTTCTGTTGTTT AAGCCACCTGTTCTGTGGCATTGTTATGGCAGCCTCAGCCAAGTAACATATTAAGCAA GGCACTGTTCTAAAAGCTTATATTAACCTATTTTGGNCTATAACAACCCACACACAGG |
| Restriction Sites: | NotI-NotI |
| ACCN: | BC026272 |
| Insert Size: | 3780 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: | <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>BC026272.1</u> , <u>AAH26272.1</u> |
| RefSeq Size: | 1733 bp |
| RefSeq ORF: | 1733 bp |
| Locus ID: | 892 |
| Cytogenetics: | 6q16.2 |
| Domains: | cyclin |
| Protein Families: | Druggable Genome, Transcription Factors |

Gene Summary:

The protein encoded by this gene is a member of the cyclin family of proteins. The encoded protein interacts with cyclin-dependent kinase 8 and induces the phosphorylation of the carboxy-terminal domain of the large subunit of RNA polymerase II. The level of mRNAs for this gene peaks in the G1 phase of the cell cycle. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]