

Product datasheet for **SC120847**

Cyclin G (CCNG1) (NM_199246) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclin G (CCNG1) (NM_199246) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cyclin G
Synonyms:	CCNG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_199246, the custom clone sequence may differ by one or more nucleotides

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ATGATAGAGGTAAGTACAACTGACTCTCAGAACTGCTACACCAGCTGAATGCCCTGTTGGAACAGG
AGTCTAGATGTCAGCCAAAGGTCTGTGGTTTGAGACTAATTGAGTCTGCACACGATAATGGCCTCAGAA
GACTGCAAGACTAAGGGACTTTGAAGTAAAAGATCTTCTTAGTCTAACTCAGTTCTTTGGCTTTGACACA
GAGACATTTTCTAGCTGTGAATTTACTGGACAGATTCCTGTCTAAAATGAAGGTACAGCCCAAGCACC
TTGGGTGTGTTGGACTGAGCTGCTTTTATTTGGCTGTAAAATCAATAGAAGAGGAAAGGAATGTCCCATT
GGCAACTGACTTGATCCGAATAAGTCAATATAGGTTTACGGTTTCAGACTTGATGAGAATGGAAAAGATT
GTATTGGAGAAGGTGTGTTGAAAAGTCAAAGCTACTACTGCCTTTCAATTTCTGCAACTGTATTATTCAC
TCCTTCAAGAGAACTTGCCACTTGAAAGGAGAAATAGCATTAAATTTGAAAGACTAGAAGCTCAACTGAA
GGCATGTCATTGCAGGATCATATTTTCTAAAGCAAAGCCTTCTGTGTTGGCATTGTCTATCATTGCATTA
GAGATCCAAGCACAGAAGTGTGTAGAGTTAACAGAAGGAATAGAATGTCTTCAGAAACATTCCAAGATAA
ATGGCAGAGATCTGACCTTCTGGCAAGAGCTTGTATCCAATGTTTAACTGAATATTCATCAAAATAAGTG
TTCCAAACCAATGTTTCAAGAGTTGAAATGGATTGTTTCTGGCGTACTGCACGGCAATTGAAGCATAGC
TACTACAGAATAACTCACCTTCCAACAATTCCTGAAATGGTCCCTTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_199246 unedited</p> <pre>TTTAGAATTTGTAATACGACTCACTATAGGGCGGCCGCGAAATTCGCACCAGCCGAGTTG TCTCGGCGGCGCTGCCGAGGCCTCCACCCGGGAGGGTGGTTACCGCTGAGGAGCTGCAG TCTCTGTCAAGATGATAGAGGACTGACAACAAGTACTCTCAGAACTGCTACACCAGC TGAATGCCCTGTTGGAACAGGAGTCTAGATGTCAGCCAAAGGTCTGTGGTTTGAGACTAA TTGAGTCTGCACACGATAATGGCCTCAGAATGACTGCAAGACTAAGGGACTTTGAAGTAA AAGATCTTCTTAGTCTAACTCAGTTCTTTGGCTTTGACACAGAGACATTTTCTCTAGCTG TGAATTTACTGGACAGATTCTGTCTAAAATGAAGGTACAGCCCAAGCACCTTGGGTGTG TTGGACTGAGCTGCTTTTATTTGGCTGTAAAATCAATAGAAAGAGGAAAGGAATGTCCCAT TGGCAACTGACTTGATCCGAATAAGTCAATATAGGTTTACGGTTTACAGACTTGATGAGAA TGGAAAAGATTGTATTGGAGAAGGTGTGTTGAAAAGTCAAAGCTACTACTGCCTTTCAAT TTCTGCAACTGTATTATTCCTCCTCAAGAGAAGTGGCACTTGAAAGGAGAAAATAGCA TTAATTNTGAAAGACTAGAAGCTCAACTGAAGGCATGTCATTGCAGGATCATATTNTCTA AAGCAAAGCCTTCTGTGTTGGCATTGTCTATCATTGCATTAGAGATCCAAGCACAGAAGT GTGTAGAGTTAACAGAANGAATAGAATGTCTTCAGAAACATTCCAAGATAATGGCAGAGA TCTGACCTTTTCTGCAGAAGCTGTATCCAATGTTNAAACTGATATTCATCANATAAAGTGT TCCAAACCAATGTNCAAAGTTGAAATGGNATGNTNCTGGN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_199246 unedited</p> <pre>AGNANAGCACTGGGGNAGGGTACAGGNATGCCACCCGGGATCTGTTCCAGGAAACAGCTA TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGAATTTCAATTA CTTTATTGAAAGGTATATCCCTTAGTACTAAAACATAATGGTAGTTGGTTAGTTTACCTC TGCCAACCTCAAAATTAACAATGATGTATTCAAAATATTGAAATTTATCAGCCTTTTGGGA AACTAAAAGTTACCCATAAAACATGGTTTACAAAAGTTAAGAATAAGATATACTGTGG TTCTTTGGTTTTTTCATTGTGACTGATCCATAACGTGATGTCAAATGGATATAGCCATC ATGGATAGACTCAGGCTATACATTGCACTGAGTAACTGTTTACAACACTTTAACACTGTA CTTCTTACATTCACTAACTGCCATGGAGGATCCTAAACACTACTTCAGCAGCTTCATTCA TAGTTATGAAGGTGTCTACTTGTCTTTCTTAAGATTTTTGTTTTGGCACAGTAAGGGCAT CAGTGGAAGTATATTCTCTATTTATAAAATGGCCATCACTTCTAACTTAAAAACAGTCTG TAGTAAAAAATCTGGAGTGTTCATCTAGTCTGAACTTACCCTTATGTGGGAAAAACAAG TTTTCCAATGAAAATTTATTTTGGAGTTACTAATACCATAGAAACAGTTTTTCTGGAGGG ATTCAATTTGGAGGCAGAAGGTTCTGTTTAAAAATTTTTATTCGAGAAACAAATGTCCCC ACTGTTTCTTGAAAAAATATTAAGATAACTTAAATGGAATTGCCCAACTTTATAGG GTTTGA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_199246
Insert Size:	2500 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:	NM_199246.1 , NP_954854.1
RefSeq Size:	2384 bp
RefSeq ORF:	888 bp
Locus ID:	900
UniProt ID:	P51959
Cytogenetics:	5q34
Protein Families:	Druggable Genome
Protein Pathways:	p53 signaling pathway
Gene Summary:	<p>The eukaryotic cell cycle is governed by cyclin-dependent protein kinases (CDKs) whose activities are regulated by cyclins and CDK inhibitors. The protein encoded by this gene is a member of the cyclin family and contains the cyclin box. The encoded protein lacks the protein destabilizing (PEST) sequence that is present in other family members. Transcriptional activation of this gene can be induced by tumor protein p53. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>