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Product datasheet for SC117605

Cyclin G (CCNG1) (NM_004060) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclin G (CCNG1) (NM_004060) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cyclin G
Synonyms:	CCNG
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC117605 sequence for NM_004060 edited (data generated by NextGen Sequencing)

ATGATAGAGGTACTGACAACAACTGACTCTCAGAAACTGCTACACCAGCTGAATGCCCTG
TTGGAACAGGAGTCTAGATGTCAGCCAAAGGTCTGTGGTTTGAGACTAATTGAGTCTGCA
CACGATAATGGCCTCAGAATGACTGCAAGACTAAGGGACTTTGAAGTAAAAGATCTTCTT
AGTCTAACTCAGTTCTTTGGCTTTGACACAGAGACATTTTCTCTAGCTGTGAATTTACTG
GACAGATTCCTGTCTAAAATGAAGGTACAGCCCAAGCACCTTGGGTGTGTTGGACTGAGC
TGCTTTTATTTGGCTGTAAAATCAATAGAAGAGGAAAGGAATGTCCCATTGGCAACTGAC
TTGATCCGAATAAGTCAATATAGGTTTACGGTTTCAGACTTGATGAGAATGGAAAAGATT
GTATTGGAGAAGGTGTGTTGGAAAGTCAAAGCTACTACTGCCTTTCAATTTCTGCAACTG
TATTATTCACTCCTTCAAGAGAACTTGCCACTTGAAAGGAGAAATAGCATTAATTTTGAA
AGACTAGAAGCTCAACTGAAGGCATGTCATTGCAGGATCATATTTTCTAAAGCAAAGCCT
TCTGTGTTGGCATTGTCTATCATTGCATTAGAGATCCAAGCACAGAAGTGTGTAGAGTTA
ACAGAAGGAATAGAATGTCTTCAGAAACATTCCAAGATAAATGGCAGAGATCTGACCTTC
TGGCAAGAGCTTGTATCCAAATGTTTAACTGAATATTCATCAAATAAGTGTTCCAAACCA
AATGTTCAGAAGTTGAAATGGATTGTTTCTGGGCGTACTGCACGGCAATTGAAGCATAGC
TACTACAGAATAACTCACCTTCCAACAATTCCTGAAATGGTCCCTTAA

Clone variation with respect to NM_004060.3

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004060 unedited
NGGTTCAGATTTGTATACGACTCCTATAGGCGGCCGCGAAATTCGCACCAGCCCCTCTCC
TCGTAGGCCTCTCGGATCTGATATCGTGGGGTGAGGTGAGCAGGCCCGGGGAGGGTGGTT
ACCGCTGAGGAGCTGCAGTCTCTGTCAAGATGATAGAGGTACTGACAACAACTGACTCTC
AGAAACTGCTACACCAGCTGAATGCCCTGTTGGAACAGGAGTCTAGATGTCAGCCAAAGG
TCTGTGGTTTGAGACTAATTGAGTCTGCACACGATAATGGCCTCAGAATGACTGCAAGAC
TAAGGGACTTTGAAGTAAAAGATCTTCTTAGTCTAACTCAGTTCTTTGGCTTTGACACAG
AGACATTTTCTCTAGCTGTGAATTTACTGGACAGATTCCTGTCTAAAATGAAGGTACAGC
CCAAGCACCTTGGGTGTGTTGGACTGAGCTGCTTTTATTTGGCTGTAAAATCAATAGAAG
AGGAAAGGAATGTCCCATTGGCAACTGACTTGATCCGAATAAGTCAATATAGGTTTACGG
TTTCAGACTTGATGAGAATGGAAAAGATTGTATTGGAGAAGGTGTGTTGGAAAGTCAAAG
CTACTACTGCCTTTCAATTTCTGCAACTGTATTATTCACTCCTTCAAGAGAACTTGCCAC
TTGAAAGGAGAAATAGCATTAATTNTGAAAGACTAGAAGCTCAACTGAAGGCATGTCATT
GCANGATCATATTTTCTAAAGCAAAGCCTTCTGTGTTGGCATTGTCTATCATTGCATTAG
AGATCCAAGCACAGAAGTGTGTAAAGNTAACAGAAGGAATAGAATGTCTTCAGAAACATT
CCAAGATAATGGCAGAGATCTGACCTTCTGGGCAGAGCTGTATCCCAATGTTAAACTGAT
ATTCATCAAATAGTGGTTCCAAACCCAATGTTCANAAAGTGAAATGGNATNGNTNCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004060 unedited
CCATTGGGNGATGTGCAACTTCCCAGGNCCAGNAAAGCACTGGGGNAGGGTCACAGGCAT
GCCACCCGGGATCTGTTCAGGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTT
TTTTTTTTTTTTTTTGAATTTCATTAACTTTATTGAAAGGTATATCCCTTAGTACTAAAA
CATAATGGTAGTTGGTTAGTTTACCTCTGCCAACTCAAAATTAACAATGATGTATTCAAA
ATATTGAAATTTATCAGCCTTTTGGGAAAACTAAAAAGTTACCCATAAAACATGGTTTAC
AAAAGTTAAGAATAAGATATACTGTGGTTCTTTGGTTTTTCATTGTGTACTGATCCATAA
CGTGATGTCAAATTGGATATAGCCATCATGGATAGACTCAGGCTATACATTGCACTGAGT
AACTGTTTACAACACTTTAACACTGTACTTCTTACATTCACTAACTGCCATGGAGGATCC
TAAACACTACTTCAGCAGCTTCATTCATAGTTATGAAGGTGTCTACTTGCTTTTCTTAAG
ATTTTTGTTTTGGCACAGTAAGGGCATCAGTGGAAGTATATTCTCTATTTATAAAATTGC
CATCACTTCTAACTTAAAAACAGTCTGTAGTAAAAAATTCTGGAGTGTTCAATCTAGTCT
GAACTTACCTTAGTGTGGGAAAAGCAGTTTTCGAAGTGATATTTATTTTGAGTTACTAAT
ACAATAGAAACTAGTTTTCTTGATGGGATTCAGTTTGAGGCAGTAGGTTCTGTATAAAAA
TTTTTATCGTAGATACAAATGTCACCTGTTTTTCTAGAAAAAAATTTAAAAAGATAACTT
ATGGAATTTGCCAAACTTTAAGGGTCTGTNATTTTCTTTAAATAAAATGCCCTTAAAATT
AAATGTAATTCCCCAATAGCCAATTAAGTCCAATCTTTAGAATACCTATTAAT

Restriction Sites: NotI-NotI

ACCN: NM_004060

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:	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_004060.3, NP_004051.1
RefSeq Size:	2484 bp
RefSeq ORF:	888 bp
Locus ID:	900
UniProt ID:	P51959
Cytogenetics:	5q34
Domains:	CYCLIN, cyclin
Protein Families:	Druggable Genome
Protein Pathways:	p53 signaling pathway
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.