

Product datasheet for SC115888

Cyclin (CCNI) (NM_006835) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclin (CCNI) (NM_006835) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cyclin
Synonyms:	CCNI1; CYC1; CYI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115888 sequence for NM_006835 edited (data generated by NextGen Sequencing)

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ATGAAGTTTCCAGGGCCTTTGGAAAACCCAGAGATTGCTTTTCTGTTGGAAAAGGCAATC
ACTAGGGAAGCACAGATGTGAAAAGTGAATGTGCGGAAAATGCCTTCAAATCAGAATGTT
TCTCCATCCCAGAGAGATGAAGTAATTCATGGCTGGCCAAACTCAAGTACCAATCAAC
CTTTACCCAGAAACATTTGCTCTGGCTAGCAGTCTTTGGATAGGTTTTAGCTACCGTA
AAGGCTCATCCAAAATACTTGAGTTGTATTGCAATCAGCTGTTTTTCTAGCTGCCAAG
ACTGTTGAGGAAGATGAGAGAATTCCAGTACTAAAGGTATTGGCAAGAGACAGTTTCTGT
GGATGTTCTCATCTGAAATTTGAGAATGGAGAGAATTATTCTGGATAAGTTGAATTGG
GATCTTCACACAGCCACACCATTGGATTTTCTTCATATTTCCATGCCATTGCAGTGCA
ACTAGGCCTCAGTTACTTTTCAGTTTGCCCAAATTGAGCCCATCTCAACATTTGGCAGTC
CTTACCAAGCAACTACTTCACTGTATGGCTGCAACCACTTCTGCAATTCAGAGGATCC
ATGCTTGCTCTGGCCATGGTTAGTCTGGAAATGGAGAACTCATTCTGATTGGCTTTCT
CTTACAATTGAACTGCTTCAGAAAGCACAGATGGATAGCTCCCAGTTGATCCATTGTCGG
GAGCTTGTGGCACATCACCTTTTACTCTGCAGTCTTCCCTGCCTCTGAATTCGGTTTAT
GTCTACCGTCCCCTCAAGCACACCCTGGTGACCTGTGACAAAGGAGTGTTTCAGATTACAT
CCCTCCTCTGTCCCAGGCCAGACTTCTCCAAGGACAACAGCAAGCCAGAAGTGCCAGTC
AGAGGTACAGCAGCCTTTTACCATCATCTCCCAGCTGCCAGTGGGTGCAAGCAGACCTCT
ACTAAACGCAAAGTAGAGGAAATGGAAGTGGATGACTTCTATGATGGAATCAAACGGCTC
TATAATGAAGATAATGTCTCAGAAAATGTGGGTTCTGTGTGGCACTGATTTATCAAGA
CAAGAGGGACATGCTTCCCCTTGCCACCTTTGCAGCCTGTTTCTGTCATGTAG

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Clone variation with respect to NM_006835.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006835 unedited TGTATACGACTCTATAGCGCGCCGCGACATTCGCACGAGGCCCTTTCTCCCTCCTCGT TGGCCGAGTCGTCCC GCGCGCACCCGCTCCGCGCGCCTATGAGAA TGAGGTGGTAACGGG CCCCGGATGACCCGCGTCACCACTGTGAGGCC TACAGCTCTGCCGGGAGGAGGAGGA GGAGGAAGAGGAGGAGAAGGTAGCTACAGCAAGCTGGGTAGCAGGCAGATCCAAAGGATA TCATGAAGTTCCAGGGCCTTTGGAAAACAGAGATTGCTTTCTGTTGGAAAAGGCAA TCACTAGGGAAGCACAGATGTGGAAAGTGAATGTGCGGAAAATGCCTTCAAATCAGAATG TTTCTCCATCCCAGAGAGATGAAGTAATCAATGGCTGGCCAAACTCAAGTACCAATTCA ACCTTTACCCAGAAACATTTGCTCTGGCTAGCAGTCTTTTGATAGGTTTTAGCTACCG TAAAGGCTCATCCAAATACTTGAGTTGTATTGCAATCAGCTGTTTTTCTAGCTGCCA AGACTGTTGAGGAAGATGAGAGAATTCAGTACTAAAGGTATTGGCAAGAGACAGTTTCT GTGGATGTTCTCATCTGAAATTTGAGAATGGAGAGAATTATTCTGGATAAGTTGAATT GGGATCTTCACACAGCCACACCATTGGATTTTCTCATATTTCCATGCCATTGCAGTGT CAACTAGGCCTCAGTTACTTTTCACTTTGCCCCAATTGAGCCCATCTCAACATTGGCAGTC CTTACCAAGCACTACTTTACTGTATGGGCTGCAACCAACTTCTGCAATTAGAGGACCATG CTTGCTCTGCCCATGGNTTAGCCGGGAATGGANAACTCATTCTGAATGGCTTTCTCTTA CAATTGAACTGCTTCAAAGCACAGAGGGTATACTCCA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006835 unedited CAACTTTCCAGGGTCCAGNAGAGGCACTGGGNAGGGGTCACAGGGNATGCCACCCGGGA TCTGTTCCAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTT TTTTGGGCTTTATGGGCTTAAATAACGCTGAATTATAATTAGCCACACAAATAATGAGAG TTTTATTTTTTTTTCTGGCTCACTCCAATCAGCCTGTTAAGGGATATTTCTTCTACA GCCTTTCTGATTTTGCATGTTCTCATTCCCAAAGTAGTCTACCTTAGTTTACACTCAA GGTAGCACTTGTTGAAACTACATGACAGAAACAGGCTGCAAAGGTGGACAAGGGGAAGCA TGTCCCTCTTGCTTGTATAAATCAGTGCCACACACAGAACCCACATTTTCTGAGACATTA TCTTCATNNAAGAGCCGTTTGAATCCATATTAGAAGTCATCCACTTCCATTTCTCTACT TTGCGTTTAGTAGAGGTCTGCTTGCAACCACTGGCAGCTGGGAGATGATGGTAAAAGGCT GCTGTACCTCTGACTGGCACTTCTGGCTTGCTGTGCTCCTTGAGAAAGTCTGGGCTGGG ACAGAGGAGGGATGTAATCTGAACACTCCTTTGTACAGGTCAACANNGGTGTGCTTGAG GGGACGGTAGACATAAACGGAATTCAGAGGCAGGNAAGACTGCAGAGTANAAAGGTGATG TGCCACAAGCTCCCGCAATGGATCACTGGGAANNNNATCTGTGCTTCTGAAGCAGTTCA TTGTAGAGAAAGCCATCAGAATGAGTTCTNCATTTCACTACCATGGCAGACAGCATGG ATCTTTGATGCAGAGNTGGTGCAGGCATCATGAANTANTGCTGGTAAGGCTGGCAATGTG AGATGGCTCATTGGCAACTGAAGACTGGCCTATTGACT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006835
Insert Size:	1610 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_006835.2](#), [NP_006826.1](#)

RefSeq Size: 1890 bp

RefSeq ORF: 1134 bp

Locus ID: 10983

UniProt ID: [Q14094](#)

Cytogenetics: 4q21.1

Domains: CYCLIN, cyclin

Gene Summary: The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin shows the highest similarity with cyclin G. The transcript of this gene was found to be expressed constantly during cell cycle progression. [provided by RefSeq, Jan 2017]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Variants 1, 2, and 3 all encode the same isoform (a).