

Product datasheet for **SC220444**

Cyclin D1 (CCND1) (NM_053056) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cyclin D1 (CCND1) (NM_053056) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CCND1
Synonyms:	BCL1; D11S287E; PRAD1; U21B31
ACCN:	NM_053056
Insert Size:	2000 bp



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Insert Sequence:

>SC220444 3'UTR clone of NM_053056

The sequence shown below is from the reference sequence of NM_053056. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCACCCGACGTGCGGGAGCTGACATCTGAGGGCCAGGCAGGCGGGCCACCCGCCACCCGACGCGA
GGCGGGAGCCGGCCCGAGGTGCTCCCTGACAGTCCCTCTCTCCGGAGCATTGATACCAGAAGGGA
AAGCTTCATTCTCCTTGTGTTGTTGTTTTCTTTGCTCTTTCCCTTCCATCTCTGACTTAAAGC
AAAAGAAAAAGATTACCCAAAACTGTCTTTAAAAAGAGAGAGAGAAAAAATAAGTATTTGCATA
ACCCTGAGCGGTGGGGAGGAGGTTGTGCTACAGATGATAGAGGATTTTATACCCCAATAATCAACTC
GTTTTTATATTAATGTACTTGTCTGTGTAAGAATAGGCATTAACACAAAGGAGGCGTCTCGGGA
GAGGATTAGTTCATCCTTTACGTGTTAAAAAAAAGCATAAAAAACATTTTAAAAACATAGAAAAATT
CAGCAAACCATTTTTAAAGTAGAAGAGGGTTTTAGGTAGAAAAACATATCTTGTGCTTTTCTGATAA
AGCACAGCTGTAGTGGGGTCTAGGCATCTGTACTTTGCTTGCTCATATGCATGTAGTCACTTTATA
AGTCATTGTATGTTATTATATCCGTAGGTAGATGTGAACCTCTTACCTTATTCATGGCTGAAGTCA
CCTCTTGGTTACAGTAGCGTAGCGTGCCCGTGTGCATGTCTTTGCGCCTGTGACCACCACCCCAACAA
ACCATCCAGTGACAAACCATCCAGTGGAGGTTTGTGCGGCACCAGCCAGCGTAGCAGGGTTCGGGAAAGG
CCACCTGTCCCCTCCTACGATACGCTACTATAAAGAGAAGACGAAATAGTGACATAATATATTCTATT
TTTATACTCTTCTATTTTTGTAGTGACCTGTTTATGAGATGCTGGTTTTCTACCCAACGGCCCTGCAG
CCAGTCCAGTCCAGGTTCAACCCACAGCTACTGGTTTTGTGTTCTTCTCATATTCTAAAACATTCC
ATTTCCAAGCACTTTCAGTCCAATAGGTGTAGGAAATAGCGCTGTTTTGTTGTGTGTCAGGGAGGGC
AGTTTTCTAATGGAATGGTTTGGGAATATCCATGTACTTGTGTTGCAAGCAGGACTTTGAGGCAAGTGTG
GGCCACTGTGGTGGCAGTGGAGGTGGGGTGTGTTGGGAGGCTGCGTGCCAGTCAAGAAGAAAAAGTTTG
CATTCTCACATTGCCAGGATGATAAGTTCCTTTCTTTCTTTAAAGAAGTTGAAGTTTAGGAATCCTT
TGGTGCCAACTGGTGTGTTGAAAGTAGGGACCTCAGAGGTTTACCTAGAGAACAGGTGGTTTTTAAGGGT
TATCTTAGATGTTTACACCCGAAGGTTTTTAAACACTAAAATATATAATTTATAGTTAAGGCTAAAAA
GTATATTTATTGCAGAGGATGTTTATAAGGCCAGTATGATTTATAAATGCAATCTCCCCTTGATTTAAA
CACACAGATACACACACACACACACACACACAAACCTTCTGCCTTTGATGTTACAGATTTAATACAG
TTTATTTTTAAAGATAGATCCTTTTATAGGTGAGAAAAAACAATCTGGAAGAAAAAACACACAAG
ACATTGATTACAGCTGTTTGGCGTTTCCAGAGTCATCTGATTGGACAGGCATGGGTGCAAGGAAAATT
AGGGTACTCAACCTAAGTTCGGTTCCGATGAATTCTTATCCCCTGCCCTTCTTTAAAAAACTTAGTG
ACAAAATAGACAATTTGCACATCTTGGCTATGTAATTCTTGTAAATTTTTATTTAGGAAGTGTGAAGGG
AGGTGGCAAGAGTGTGGAGGCTGACGTGTGAGGGAGGACAGGCGGGAGGAGGTGTGAGGAGGAGGCTCC
CGAGGGGAAGGGGCGGTGCCACACCCGGGACAGGCCGACGCTCCATTTTCTTATTGCGCTGCTACCG
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
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Restriction Sites:

SgfI-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_053056.3](#)

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 throughout 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 forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of human cancers. [provided by RefSeq, Dec 2019]

Locus ID:

595

MW:

76.4