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Product datasheet for SC212086

Cyclin D3 (CCND3) (NM_001760) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: Cyclin D3 (CCND3) (NM_001760) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: CCND3

ACCN: NM_001760

Insert Size: 1018 bp

Insert Sequence:

>SC212086 3'UTR clone of NM_001760
The sequence shown below is from the reference sequence of NM_001760. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTACAGATGTCACAGCCATACACCTGTAGCCCTGGAGAGGCCCTCTGGAGTGGCCACTAAGCAGAGGA
GGGGCCGCTGCCACCCACCTCCCTGCCTCCAGGAACCACACCACATCTAAGCCTGAAGGGGCGTCTGTT
CCCCCTTCACAAAGCCCAAGGGATCTGGTCCTACCCATCCCCGCAGTGTGCACTAAGGGGCCCGGCCAG
CCATGTCTGCATTTCGGTGGCTAGTCAAGCTCCTCCTCCCTGCATCTGACCAGCAGCGCCTTTCCCAAC
TCTAGCTGGGGGTGGGCCAGGCTGATGGGACAGAATTGGATACATACACCAGCATTCCTTTTGAACGCC
CCCCCCCACCCCTGGGGGCTCTCATGTTTTCAACTGCCAAAATGCTCTAGTGCCTTCTAAAGGTGTTGT
CCCTTCTAGGGTTATTGCATTTGGATTGGGGTCCCTCTAAAATTTAATGCATGATAGACACATATGAGG
GGGAATAGTCTAGATGGCTCCTCTCAGTACTTTGGAGGCCCCTATGTAGTCCGTGCTGACAGCTGCTCC
TAGAGGGAGGGGCCTAGGCCTCAGCCAGAGAAGCTATAAATTCCTCTTTGCTTTGCTTTCTGCTCAGCT
TCTCCTGTGTGATTGACAGCTTTGCTGCTGAAGGCTCATTTTAATTTATTAATTGCTTTGAGCACAACT
TTAAGAGGACATAATGGGGTCCTGGCCATCCCACAAGTGGTGGTAACCCTGGTGGTTGCTGTTTTCCTC
CCTTCTGCTACTGGCAAAAGGATCTTTGTGGCCAAGGAGCTGCTATAGCCTGGGGTGGGGTCATGCCCT
CCTCTCCCATTGTCCCTCTGCCCCATCCTCCAGCAGGGAAAATGCAGCAGGGATGCCCTGGAGGTGGCT
GAGCCCCTGTCTAGAGAGGGAGGCAAGCCCTGTTGACACAGGTCTTTCCTAAGGCTGCAAGGTTTAGGC
TGGTGGCCCAGGACCATCATCCTACTGTAATAAAGATGATTGTGAAATAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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).

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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_001760.5

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 forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activtiy is required for cell cycle G1/S transition. This protein has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

Locus ID: 896

MW: 36.7