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Product datasheet for SC202524

Cyclin A1 (CCNA1) (NM_003914) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cyclin A1 (CCNA1) (NM_003914) Human 3' UTR Clone
Symbol:	Cyclin A1
Synonyms:	CT146
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003914
Insert Size:	235 bp
Insert Sequence:	>SC202524 3'UTR clone of NM_003914 The sequence shown below is from the reference sequence of NM_003914. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GAGCCACCTGCAGTTCTTCTTCTACAATAAGTTTCTGAATGGAAGCACTTCCAGAACTTCACCTCCATA TCAGAAGTGCCAATAATCGTCATAGGCTTCTGCACGTTGGATCAACTAATGTTGTTTACAATATAGATG ACATTTTAAAAATGTAAATGAATTTAGTTTCCCTTAGACTTTAGTAGTTTGTAATATAGTCCAACATTT TTTAAACAATAAACTGCTTGTCTTATGA 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).
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_003914.4

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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. The cyclin encoded by this gene was shown to be expressed in testis and brain, as well as in several leukemic cell lines, and is thought to primarily function in the control of the germline meiotic cell cycle. This cyclin binds both CDK2 and CDC2 kinases, which give two distinct kinase activities, one appearing in S phase, the other in G2, and thus regulate separate functions in cell cycle. This cyclin was found to bind to important cell cycle regulators, such as Rb family proteins, transcription factor E2F-1, and the p21 family proteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 8900

MW: 9