

Recombinant Human CCNA1 Protein, GST-Tagged

Cat. No. CCNA1-0647H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCNA1 full-length ORF (AAH36346, 1 a.a. - 464 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	76.78 kDa
AA Sequence	METGFPAIMYPGSGFIGGWGEEYLSWEGPGLPDFVFQQPVESEAMHCSNPKSGVVL

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ATVARGPDACQILTRAPLGQDPPQRTVLGLLTANGQYRRTCGQGITRIRCYSYSGSEN
 AFPPAGKKALPDCGVQEPPKQGFDIYMDELEQGDRDSCSVREGMAFEDVYEVDTG
 TLKSDLHFLLDFNTVSPMLVDSSLLSQSEDISSLGTDVINVTEYAEIYQYLREAEIRH
 RPKAHYMKKQPDITEGMRTILVDWLVEVGEEYKLRAETLYLAVNFLDRFLSCMSVLR
 GKLQLVGTAAMLLASKYEEIYPPEVDEFVYITDDTYTKRQLLKMEHLLLKVLAFLDLTV
 PTTNQFLLQYLRRQGVCRVTENLAKYVAELSLEADPFLKYLPSLIAAAAFCLANYTV
 NKHFWPETLAAFTGYSLSEIVPCLSELHKAYLDIPHRPQQAIKREKYKASKYLCVSLME
 PPAVLLLQ

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

CCNA1 cyclin A1 [Homo sapiens]

Official Symbol

CCNA1

Synonyms

CCNA1; cyclin A1; cyclin-A1;

Gene ID

8900

mRNA Refseq

NM_001111045

Protein Refseq

NP_001104515

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MIM 604036

UniProt ID P78396

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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