

Recombinant Human CCNA1 protein, GST/His-tagged

Cat. No. CCNA1-186H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCNA1, transcript variant 1, fused with GST tag at N-terminal and His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	<p>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.</p>
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	78.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name CCNA1 cyclin A1 [Homo sapiens]

Official Symbol CCNA1

Synonyms CCNA1; cyclin A1; cyclin-A1;

Gene ID 8900

mRNA Refseq NM_003914

Protein Refseq NP_003905

MIM 604036

UniProt ID P78396

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