Recombinant Human CCNA2

Cat. No. CCNA2-31453TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant co-expressed full-length human CDK1 and Cyclin A2 by Baculovirus in Sf9 cells using an N terminal enzyme tag on both proteins.
Species	Human
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. In contrast to cyclin A1, which is present only in germ cells, this cyclin is expressed in all tissues tested. This cyclin binds and activates CDC2 or CDK2 kinases, and thus promotes both cell cycle G1/S and G2/M transitions.
Biological activity	Specific activity: 178 nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

GENE INFORMATION

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Gene Name	CCNA2 cyclin A2 [Homo sapiens]
Official Symbol	CCNA2
Synonyms	CCNA2; cyclin A2; CCN1, CCNA; cyclin-A2;
Gene ID	890
mRNA Refseq	NM_001237
Protein Refseq	NP_001228
MIM	123835
Uniprot ID	P20248
Chromosome Location	4q25-q31
Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; ATF-2 transcription factor network, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem;
Function	protein binding; protein kinase binding;

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