

Recombinant Human CCNC, His tagged

Cat. No. CCNC-08H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Recombinant Human Cyclin C (1-283aa), His-tagged, fused with 6* his tag, was expressed in E. coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-283 a.a.
Description	CCNC (cyclin C) is a member of the cyclin family of proteins. This protein interacts with cyclin-dependent kinase 8 (CDK8) and induces the phosphorylation of the carboxy-terminal domain of the large subunit of RNA polymerase II. The level of mRNAs for this protein peaks in the G1 phase of the cell cycle. It has been shown that a non-cdk8-associated cellular pool of CCNC combines with cdk3 to stimulate pRb phosphorylation at S807/811 during the G0/G1 transition, and that this phosphorylation is required for cells to exit GO efficiently. Other results have shown that a marked elevated immunoreactivity of CCNC was found both in neurons and astrocytes in Alzheimer"s disease (AD). Increased levels of CCNC RNA were detected by ribonuclease protection assay (RPA) in severe AD cases and colocalization of CCNC and its preferred binding partner, CDK8, was only observed in astrocytes but not in neurons.
AA sequence	1-283aa
Purification	Ni-sepharose

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Storage buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.
Storage	The protein is stored in PBS buffer at -20°C. Repeated freeze/thaw cycles should be avoided.

GENE INFORMATION

Gene Name	CCNC cyclin C[Homo sapiens]
Official Symbol	CCNC
Synonyms	CCNC; cyclin C; CycC; OTTHUMP00000016897; hSRB11; SRB11 homolog; cyclin-C
Gene ID	892
mRNA Refseq	NM_001013399
Protein Refseq	NP_001013417
MIM	123838
UniProt ID	P24863
Chromosome Location	6q21
Pathway	Gene Expression
Function	protein binding

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