Recombinant Human CCNH, His-tagged

Cat. No. CCNH-128H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Cyclin H was expressed in insect cells using an N-terminal His tag.
Species	Human
Source	Sf9 Cells
Description	Cyclin H is related to the highly conserved cyclin family. Cyclin family members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Cyclin H forms a complex with CDK7 kinase and the ring finger protein MAT1 which is able to phosphorylate CDK2 and CDC2 kinases and thus act as a CDK-activating kinase (CAK). Cdk-activating kinase complex is a component of human transcription factor TFIIH and plays an important role in the processes of transcription, DNA repair, and cell cycle progression
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Molecular Mass	~39 kDa
Purity	>90% by densitometry
Applications	Western Blot
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 μg/μl
Full Length	Full L.

GENE INFORMATION

Gene Name	CCNH cyclin H [Homo sapiens]
Official Symbol	CCNH
Synonyms	CCNH; cyclin H; cyclin-H; CAK complex subunit; CDK activating kinase complex subunit; cyclin dependent kinase activating kinase complex subunit; MO15 associated protein; p34; p37; MO15-associated protein; CDK-activating kinase complex subunit; cyclin-dependent kinase-activating kinase complex subunit; CAK;
Gene ID	902
mRNA Refseq	NM_001199189
Protein Refseq	NP_001186118
MIM	601953
UniProt ID	P51946
Chromosome Location	5q13.3-q14

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem;
Function	contributes_to DNA-dependent ATPase activity; contributes_to RNA polymerase II carboxy-terminal domain kinase activity; protein binding; contributes_to protein kinase activity; protein kinase binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA