

Recombinant Full Length Human CyclinK, GST-tagged

Cat. No. CCNK-6981H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human CyclinK was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	CyclinK is a member of the cyclin family which can regulate transcription through their association with and activation of cyclin-dependent kinases (CDK). The CDK/CyclinK complex can phosphorylate the C-terminal domain (CTD) of the large subunit of RNA polymerase II. CyclinK is associated with potent CTD kinase and CDK kinase activities in vitro and coimmunoprecipitates with POLR2A. CyclinK is a new member of the transcription cyclin family which may play a dual role in regulating CDK and RNA polymerase II activities.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~67 kDa
Purity	>85%
Applications	Kinase Assay, Western Blot

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Storage Store at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.

Concentration 0.2 $\mu\text{g}/\mu\text{l}$

GENE INFORMATION

Gene Name CCNK cyclin K [Homo sapiens]

Official Symbol CCNK

Synonyms CCNK; cyclin K; cyclin-K; CPR4; MGC9113;

Gene ID 8812

mRNA Refseq NM_001099402

Protein Refseq NP_001092872

MIM 603544

UniProt ID O75909

Chromosome Location 14q32

Pathway Direct p53 effectors, organism-specific biosystem;

Function protein binding; protein kinase binding;

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