

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 µg/µl
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;