

Recombinant Human CDK13/Cyclin K protein, GST-tagged

Cat. No. CDK13-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CDK13 (516-end) /Cyclin K complex was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag on both proteins.
Species	Human
Source	Insect Cells
ProteinLength	CDK13 (516-end) and Cyclin K (Full Length)
Description	CDK13 or cyclin-dependent kinase 13 is a member of the cyclin-dependent serine/threonine protein kinase family which are well known for their essential roles as master switches in cell cycle control. CDK13 forms a complex with cyclin K and is predicted to play a role in gene regulation. CDK13 may play a role in mRNA processing and is thought to be involved in regulation of hematopoiesis. The CYCK-CDK12 and CYCK-CDK13 complexes display unique function in cell cycle and gene regulation.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	CDK13 ~160 kDa and Cyclin K ~67 kDa
Purity	>70%
Applications	Western Blot

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Stability	1 year at -70 centigrade from date of shipment
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 ug/uL
GENE INFORMATION	
Gene Name	CDK13 cyclin-dependent kinase 13 [Homo sapiens]
Official Symbol	CDK13
Synonyms	CDK13; cyclin-dependent kinase 13; CDC2L5, cell division cycle 2 like 5 (cholinesterase related cell division controller); CDC2L; CHED; cholinesterase related cell division controller; KIAA1791; CDC2-related protein kinase 5; cell division protein kinase 13; cell division cycle 2-like protein kinase 5; cholinesterase-related cell division controller; CDC2L5; hCDK13; FLJ35215;
Gene ID	8621
mRNA Refseq	NM_003718
Protein Refseq	NP_003709
MIM	603309
UniProt ID	Q14004
Chromosome	7p14.1

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Location**Function**

ATP binding; RNA polymerase II carboxy-terminal domain kinase activity; cyclin binding; cyclin-dependent protein kinase activity; nucleotide binding; protein binding; protein kinase activity;

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