

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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