

Recombinant Human CDK1/CyclinB1, GST-tagged, Active

Cat. No. CDK1/CyclinB1-48H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDK1/CyclinB1 fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~58 kDa and CyclinB1 ~75 kDa
Purity	> 75%
Applications	Kinase Assay, Western Blot
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

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Gene Name	CDK1 cyclin-dependent kinase 1 [Homo sapiens]
Official Symbol	CDK1
Synonyms	CDK1; cyclin-dependent kinase 1; CDC2, cell division cycle 2, G1 to S and G2 to M; CDC28A; p34 protein kinase; cell cycle controller CDC2; cell division protein kinase 1; cell division control protein 2 homolog; cell division cycle 2, G1 to S and G2 to M; CDC2; P34 centigradeDC2; MGC111195; DKFZp686L20222;
Gene ID	983
mRNA Refseq	NM_001786
Protein Refseq	NP_001777
MIM	116940
UniProt ID	P06493
Chromosome Location	10q21.2
Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Cyclin B, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; ARMS-mediated activation, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem;
Function	ATP binding; Hsp70 protein binding; RNA polymerase II carboxy-terminal domain

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kinase activity; cyclin binding; cyclin-dependent protein kinase activity; cyclin-dependent protein kinase activity; histone kinase activity; nucleotide binding; protein binding

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