

# Recombinant Human CDC28 protein kinase regulatory subunit 1B, His-tagged

Cat. No. CKS1B-414H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	CKS1B, 1-79aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-79 a.a.
<b>Description</b>	<p>CKS1B protein binds to the catalytic subunit of the cyclin dependent kinases and is essential for their biological function. The CKS1B mRNA is found to be expressed in different patterns through the cell cycle in HeLa cells, which reflects a specialized role for the encoded protein. At least two transcript variants have been identified for this gene, and it appears that only one of them encodes a protein. Recombinant human CKS1B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.</p>
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
<b>Molecular Mass</b>	12.0 kDa (102aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGSMShKQIY YSDKYDDEEF EYRHVMLPKD IAKLVPKTHL MSESEWRNLG VQQSQGWVHY MIHEPEPHIL LFRRPLPKK KK</p>

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<b>Purity</b>	>95% by SDS - PAGE
<b>Storage</b>	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1.0 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CKS1B CDC28 protein kinase regulatory subunit 1B [ Homo sapiens ]
<b>Official Symbol</b>	CKS1B
<b>Synonyms</b>	CKS1B; CDC28 protein kinase regulatory subunit 1B; CDC28 protein kinase 1B; cyclin-dependent kinases regulatory subunit 1; CKS1; ckshs1; CKS-1; PNAS-143; CDC28 protein kinase 1; CDC2-associated protein CKS1; cell division control protein CKS1; NB4 apoptosis/differentiation related protein; PNAS-16; PNAS-18;
<b>Gene ID</b>	1163
<b>mRNA Refseq</b>	NM_001826
<b>Protein Refseq</b>	NP_001817
<b>MIM</b>	116900
<b>UniProt ID</b>	P61024
<b>Chromosome Location</b>	1q21.2
<b>Pathway</b>	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific

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biosystem; Cyclin A:Cdk2-associated events at S phase entry, organism-specific biosystem; Cyclin D associated events in G1, organism-specific biosystem; Cyclin E associated events during G1/S transition, organism-specific biosystem; FOXM1 transcription factor network, organism-specific biosystem; G1 Phase, organism-specific biosystem;

**Function**

cyclin-dependent protein kinase regulator activity; kinase activity; protein binding;

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