Recombinant Human CKS1B, His-tagged

Cat. No. CKS1B-5015H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CKS1B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	12.0 kDa (102aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSHKQIY YSDKYDDEEF EYRHVMLPKD IAKLVPKTHL MSESEWRNLG VQQSQGWVHY MIHEPEPHIL LFRRPLPKKP KK
Purity	>95% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1.0 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	CKS1B CDC28 protein kinase regulatory subunit 1B [Homo sapiens]
Official Symbol	CKS1B
Synonyms	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;
Gene ID	1163
mRNA Refseq	NM_001826
Protein Refseq	NP_001817
MIM	116900
UniProt ID	P61024
Chromosome Location	1q21.2

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Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific 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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