

## Recombinant Human CDK7 protein, His-tagged

Cat. No. CDK7-2923H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CDK7 protein(183-345 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	183-345 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AA Sequence</b>	LLFGARMYGVGVDMWAVGVCILAE LLRRVPFLPGDSDLQLTRIFETLGTPTEEQWPD MCSLPDYVTFKSFPGIPLHHIFSAAGDDLLDIQGLFLFNPCARITATQALKMKYFSNR PGPTPGCQLPRPNCPVETLKEQSNPALAIKRKRTEALEQGGLPKKLI
<b>Purity</b>	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
<b>Reconstitution</b>	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

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Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** [CDK7 cyclin-dependent kinase 7 \[ Homo sapiens \]](#)

**Official Symbol** [CDK7](#)

**Synonyms**

CDK7; cyclin-dependent kinase 7; cyclin dependent kinase 7 (homolog of Xenopus MO15 cdk activating kinase) , cyclin dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk activating kinase); CAK; CAK1; CDKN7; MO15; STK1; p39 Mo15; protein kinase; 39 KDa protein kinase; kinase subunit of CAK; CDK-activating kinase 1; serine/threonine kinase stk1; cell division protein kinase 7; serine/threonine protein kinase 1; serine/threonine-protein kinase 1; serine/threonine protein kinase MO15; homolog of Xenopus MO15 Cdk-activating kinase; TFIIH basal transcription factor complex kinase subunit; cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase); HCAK; p39MO15;

**Gene ID** [1022](#)

**mRNA Refseq** [NM\\_001799](#)

**Protein Refseq** [NP\\_001790](#)

**MIM** [601955](#)

**UniProt ID** [P50613](#)

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