

Recombinant Human CDK7 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CDK7 protein(183-345 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	183-345 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	LLFGARMYGVGVDMWAVGCILAEALLRVPLPGDSDLDQLTRIFETLGTPTEEQWPD MCSLPDYVTFKSFGIPLHHIFSAAGDDLDDLIQGLFLFNPCARITATQALKMKYFSNR PGPTPGCQLPRPNCPVETLKEQSNPALAIKRKRTEALEQGGLPKKLI
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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.
Reconstitution	Reconstitute at 0.25 µg/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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