

## Active Recombinant Full Length Human CDK7 Protein, DDK-tagged, Biotinylated

Cat. No. CDK7-5844HF    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Full-length human CDK7 [1-346(end) amino acids of accession number NP_001790.1] was co-expressed as N-terminal DYKDDDDK tagged, biotinylated protein (43 kDa) with CyclinH [1-323(end) amino acids of accession number NP_001230.1] and MAT1 [1-309(end) amino acids of accession number NP_002422.1] using baculovirus expression system. The protein was purified by using DYKDDDDK tag antibody agarose. |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Sf21 Cells                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-346(end)                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | 50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5                                                                                                                                                                                                                                                                                                                                    |
| <b>Bio-activity</b>     | The activity was measured by off-chip mobility shift assay(MSA). The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device.                                                                                                                                                              |
| <b>Purity</b>           | 98%                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                    |

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**Storage** Store at -80C. Avoid repeating freeze-thaws.

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** cyclin-dependent kinase 7

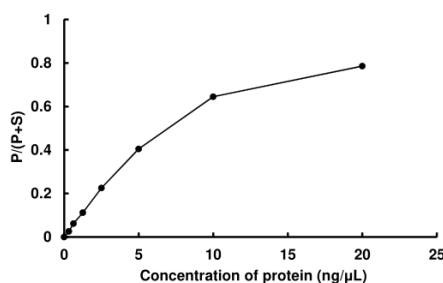
**Official Symbol** CDK7

**Synonyms** CDK7;CAK;CAK1;CDKN7;HCAK;MO15;STK1;p39MO15

**Protein Refseq** [NP\\_001790.1](#)

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

Activity data



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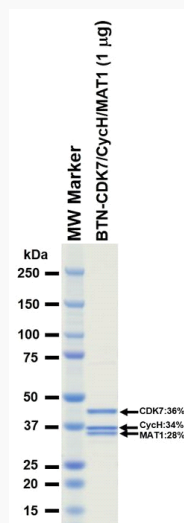
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## SDS-PAGE



The purity was assessed by SDS-PAGE/CBB staining.

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