

# Recombinant Full Length Human CDK7 Protein, GST-tagged

Cat. No. CDK7-3164HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CDK7 full-length ORF (AAH00834.1, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	346 amino acids
<b>Description</b>	The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of <i>Saccharomyces cerevisiae cdc28</i> , and <i>Schizosaccharomyces pombe cdc2</i> , and are known to be important regulators of cell cycle progression. This protein forms a trimeric complex with cyclin H and MAT1, which functions as a Cdk-activating kinase (CAK). It is an essential component of the transcription factor TFIIF, that is involved in transcription initiation and DNA repair. This protein is thought to serve as a direct link between the regulation of transcription and the cell cycle. [provided by RefSeq, Jul 2008]
<b>Molecular Mass</b>	63.58 kDa
<b>AA Sequence</b>	MALDVKSRAKRYEKLDLFLGEGQFATVYKARDKNTNQIVAIAIKKIKLGHHRSEAKDGINRT ALREIKLLQELSHPNIIIGLLDAFGHKSNISLVDFDMETDLEVIKDNSLVLTPSHIKAYML MTLQGLEYLHQHWILHRDLKPNNLLLDENGVLKLADFLAKSFGSPNRAYTHQVVT RWYRAPPELLFGARMYGVGVDMWAVGCILAEALLRVPFLPGDSDLQLTRIFETLQTP

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

TEEQWPDMCSLPDYVTFKSFPGLHHIFSAAGDLDLIQGLFLFNPCARITATQAL  
KMKYFSNRPGPTPGCQLPRPNCPVETLKEQSNPALAIKRKRTEALEQGGLPKKLIF

**Applications**  
Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Protein Refseq</b>	NP_001790
-----------------------	-----------

<b>MIM</b>	601955
------------	--------

<b>UniProt ID</b>	P50613
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA