

Recombinant Full Length Human CDK7 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human CDK7 full-length ORF (AAH00834.1, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	346 amino acids
Description	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</i> cdc28, and <i>Schizosaccharomyces pombe</i> cdc2, 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]
Molecular Mass	63.58 kDa
AA Sequence	MALDVKSRAKRYEKLDFLGEGQFATVYKARDKNTNQIVAIAKKIKLGHHRSEAKDGINRT ALREIKLLQELSHPNIIIGLLDAFGHKSNISLVFDFMETDLEVIKDNSLVLTTPSHIKAYML MTLQGLEYLHQHWILHRDLKPNNLLLDENGVLKLAADFGLAKSFGSPNRAYTHQVVT RWYRAPELLFGARMYGVGVDMWAVGCILAEALLRVPFLPGDSDLDQLTRIFETLGTP

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

TEEQWPDMCSLPDYVTFKSFPGLHHIFSAAGDDLDDLIQGLFLFNPCARITATQAL
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

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Protein Refseq	NP_001790
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UniProt ID	P50613

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