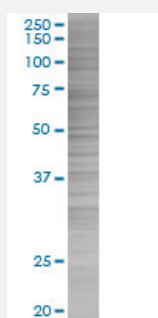


CDK7 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001022-T01

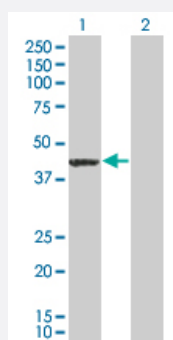
Size 100 uL

Applications



SDS-PAGE Gel

CDK7 transfected lysate.



Western Blot

Lane 1: CDK7 transfected lysate (38.17 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CDK7 full-length

Host Human

Theoretical MW (kDa) 38.17

Quality Control Testing Transient overexpression cell lysate was tested with Anti-CDK7 antibody ([H00001022-B01](#)) by Western Blots.
 SDS-PAGE Gel
 CDK7 transfected lysate.
 Western Blot
 Lane 1: CDK7 transfected lysate (38.17 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CDK7

Entrez GeneID	1022
GeneBank Accession#	NM_001799.2
Protein Accession#	-
Gene Name	CDK7
Gene Alias	CAK1, CDKN7, MO15, STK1, p39MO15
Gene Description	cyclin-dependent kinase 7
Omim ID	601955
Gene Ontology	Hyperlink

Gene Summary	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> cdc 28, 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 TFIIH, 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]
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Other Designations	39 KDa protein kinase Cdk-activating kinase cell division protein kinase 7 cyclin-dependent kinase 7 (MO15 homolog, <i>Xenopus laevis</i> , cdk-activating kinase) homolog of <i>Xenopus</i> MO15 Cdk-activating kinase kinase subunit of CAK serine/threonine kinase stk1 ser
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Pathway

- [Cell cycle](#)
- [Nucleotide excision repair](#)

Disease

- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Multiple Sclerosis](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)