

CDK7/CyclinH1 Recombinant Protein | CDK7 recombinant protein

CDK7/CyclinH1, Active

CATALOG # AAA73356	HOST Sf9 insect cells	APPLICATIONS Western Blot
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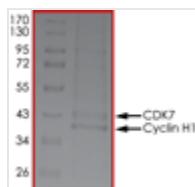
PRODUCT SYNONYMS

CDK7/CyclinH1; Active; CDK7: CAK1; STK1; CDKN7; p39MO15 Cyclin H1: CCNH; CAK; p34; p37; CDK7 recombinant protein

PRODUCT SPECIFICATIONS

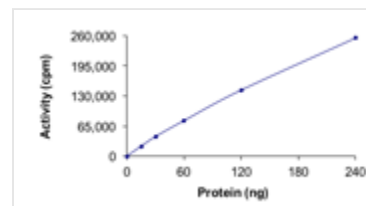
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for CDK7 recombinant protein	WB (Western Blot), Kinase Assay
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for CDK7 recombinant protein	Recombinant full-length human CDK7 and Cyclin H1 were co-expressed by baculovirus in Sf9 insect cells using an N-terminal His tags. The gene accession number for CDK7 and Cyclin H1 are NM_001799 and NM_001239, respectively. CDK7 gene is a member of the cyclin-dependent protein kinase family that is important regulators of cell cycle progression (1). CDK7 forms a trimeric complex with cyclin H and MAT1, which functions as a CDK-activating kinase (CAK). CDK7 is an essential component of the transcription factor TFIIH that is involved in transcription initiation and DNA repair. CDK7 is thought to serve as a direct link between the regulation of transcription and the cell cycle (2).
Product Categories/Family for CDK7 recombinant protein	Protein Kinases; Cancer; Cell Cycle; Ser/Thr Kinases

References

1. Fisher, R. P.: A novel cyclin associates with MO15/CDK7 to form the CDK-activating kinase. Cell 78: 713-724, 1994.
2. Larochelle, S.: Requirements for Cdk7 in the assembly of Cdk1/cyclin B and activation of Cdk2 revealed by chemical genetics in human cells. Molec. Cell 25: 839-850, 2007.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_001799
Molecular Weight	CDK7 ~41~43kDa Cyclin H1 ~39kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cdk7/cyclinh1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73356>