

## Recombinant Human CDK7/CyclinH1/MNAT1 (N-His tag)

Cat No:HR2R1265

For research use only

### Overview

Quantity	10 ?g
Gene Symbol	CDK7/Cyclin H1/MNAT1
Gene ID	N/A
Accession	NM_001799, NM_001239, NM_002431
Alternative Name	CDK7: CAK1, STK1, CDKN7, p39MO15 Cyclin H1: CCNH, CAK, p34, p37 MNAT1: MAT1, RNF66
Species	Human
Source	Insect cells
Description	CDK7 gene is a member of the cyclin-dependent protein kinase family that is important regulators of cell cycle progression . 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 .
Functions	The specific activity of CDK7/CyclinH1 /MNAT1 was determined to be 19 nmol /min/mg as per activity assay protocol.
Formulation	50mM NaPhosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.2mM DTT, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	40
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?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.