

Active Recombinant Human CDK7 & CCNH & MNAT1 protein, His & His & His-tagged

Cat. No. CDK7 & CCNH & MNAT1-2243H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDK7 & CCNH & MNAT1 protein(P50613 & P51946 & P51948)(Ala2-Phe346 & Tyr2-Leu323 & Asp2-Ser309), fused with His & His & His tag, was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	Ala2-Phe346 & Tyr2-Leu323 & Asp2-Ser309
Form	Supplied as sterile PBS, pH 7.4.
Bio-activity	The specific activity is >5 nmol/min/mg using MBP as substrate.
Molecular Mass	The recombinant heterotrimer of human CDK7/CCNH/MNAT1 comprises 1032 (364 + 341 + 327) amino acids and has a calculated molecular mass of 118.8 (41.2 + 39.7 + 37.9) kDa. The apparent molecular mass of rh CDK7/CCNH/MNAT1 heterotrimer is approximately 25,38 & 44 kDa respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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](#)

Protein Refseq [NP_001790](#)

MIM [601955](#)

UniProt ID [P50613](#)

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