

32-7673: Recombinant Human Cyclin-Dependent Kinase 7/CDK7 (N-6His)(Discontinued)

Gene : CDK7
Gene ID : 1022
Uniprot ID : P50613

Description

Source: E. coli.
MW :41.2kD.

Recombinant Human Cyclin-Dependent Kinase 7 is produced by our E.coli expression system and the target gene encoding Met1-Phe346 is expressed with a 6His tag at the N-terminus. Cyclin-dependent kinase 7 (CDK7) belongs to the CMGC Ser/Thr superfamily, CDK7 colocalizes with PRKCI in the cytoplasm and nucleus, translocating from the nucleus to cytoplasm and perinuclear region in response to DNA-bound peptides. As a serine/threonine kinase CDK7 is involved in cell cycle control and RNA polymerase II-mediated RNA transcription. In addition, CDK7 is the catalytic subunit of the CDK-activating kinase complex, which phosphorylates SPT5/SUPT5H, SF1/NR5A1, POLR2A, p53/TP53, CDK1, CDK2, CDK4, CDK6 and CDK11B/CDK11.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 50mM PB,100mM NaCl,5mM DTT,20%Glycerol pH7.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHHSSGLVPRGSHMALDVKSRAKRYEKLDLFLGEGQFATVYKARDKNTNQIVAIAIKKIKLGHRSSEAKD
GINRTALREIKLLQELSHPNIIIGLLDAFGHKSNISLVDFMETDLEVIKDNSLVLTSPHIKAYMLMTLQGLEYLHQH
WILHRDLKPNLLLLDENGVLKLADFLAKSFGSPNRAYTHQVVTRWYRAPELLFGARMYGVGVDMWAVGCIL
AELLRVPFLPGDSDLQLTRIFETLGTPTTEEQWPDMSLDPYVTFKSFPGIPLHHIFSAAGDLDLLIQLGLFLFN
PCARITATQALKMKYFSNRPGPTPGCQLPRPNCPVETLKEQSNPALAIKRKRTEALEQGGLPKKLIF

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.