

RPB880Hu01 50µg

Recombinant Cyclin Dependent Kinase 7 (CDK7)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)



# [PROPERTIES]

**Source:** Prokaryotic expression

Host: E.coli

Residues: Tyr12~Lys293

Tags: N-terminal His Tag

Subcellular Location: Nucleus, Cytoplasm

**Purity:** > 95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% Sarcosyl,

5%Trehalose.

Original Concentration: 150µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 6.7

Predicted Molecular Mass: 35.9kDa

Accurate Molecular Mass: 34kDa as determined by SDS-PAGE reducing conditions.

#### [USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

### [STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



#### [ SEQUENCE ]

```
YEKLDFLGE GQFATVYKAR DKNTNQIVAI KKIKLGHRSE
AKDGINRTAL REIKLLQELS HPNIIGLLDA FGHKSNISLV FDFMETDLEV
IIKDNSLVLT PSHIKAYMLM TLQGLEYLHQ HWILHRDLKP NNLLLDENGV
LKLADFGLAK SFGSPNRAYT HQVVTRWYRA PELLFGARMY GVGVDMWAVG
CILAELLLRV PFLPGDSDLD QLTRIFETLG TPTEEQWPDM CSLPDYVTFK
SFPGIPLHHI FSAAGDDLLD LIQGLFLFNP CARITATQAL KMK
```

## [ IDENTIFICATION ]

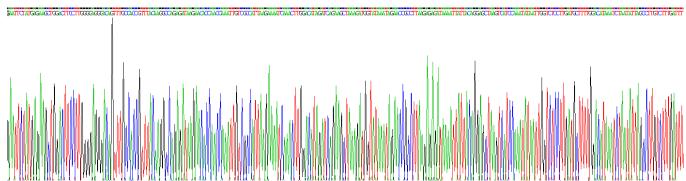


Figure . Gene Sequencing (extract)

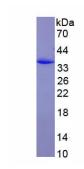


Figure. SDS-PAGE

### [ IMPORTANT NOTE ]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.