

# Recombinant Cytokeratin 18 (CK18)

## Instruction Manual

**SIPB410Hu02**

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Nucleus
<b>Predicted Molecular Mass</b>	51.6kDa
<b>Accurate Molecular Mass</b>	52kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Ser2~His430 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 80%
<b>Isoelectric Point</b>	5.1
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

```
SFTTRSTFS TNYRSLGSVQ APSYGARPVS SAASVYAGAG GSGSRISVSR
STSFRRGGMGS GGLATGIAGG LAGMGGIQNE KETMQSLNDR LASYLDRVRS
LETENRRLES KIREHLEKKG PQVRDWSHYF KIIEDLRAQI FANTVDNARI
VLQIDNARLA ADDFRVKYET ELAMRQSVEN DIHGLRKVID DTNITRLQLE
TEIEALKEEL LFMKKNHEEE VKGLQAQIAS SGLTVEVDAP KSQDLAKIMA
DIRAQYDELA RKNREELDKY WSQQIEESTT VVTTQSAEVG AAETTLTELK
RTVQSLEIDL DSMRNLKASL ENSLREVEAR YALQMEQLNG ILLHLESELA
QTRAEGQRQA QEYEALLNIK VKLEAEIATY RRLLEDGEDF NLGDALDSSN
SMQTIQKTTT RRIVDGKVVS ETNDTKVLRH
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### USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

### STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## STABILITY

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.

## Image

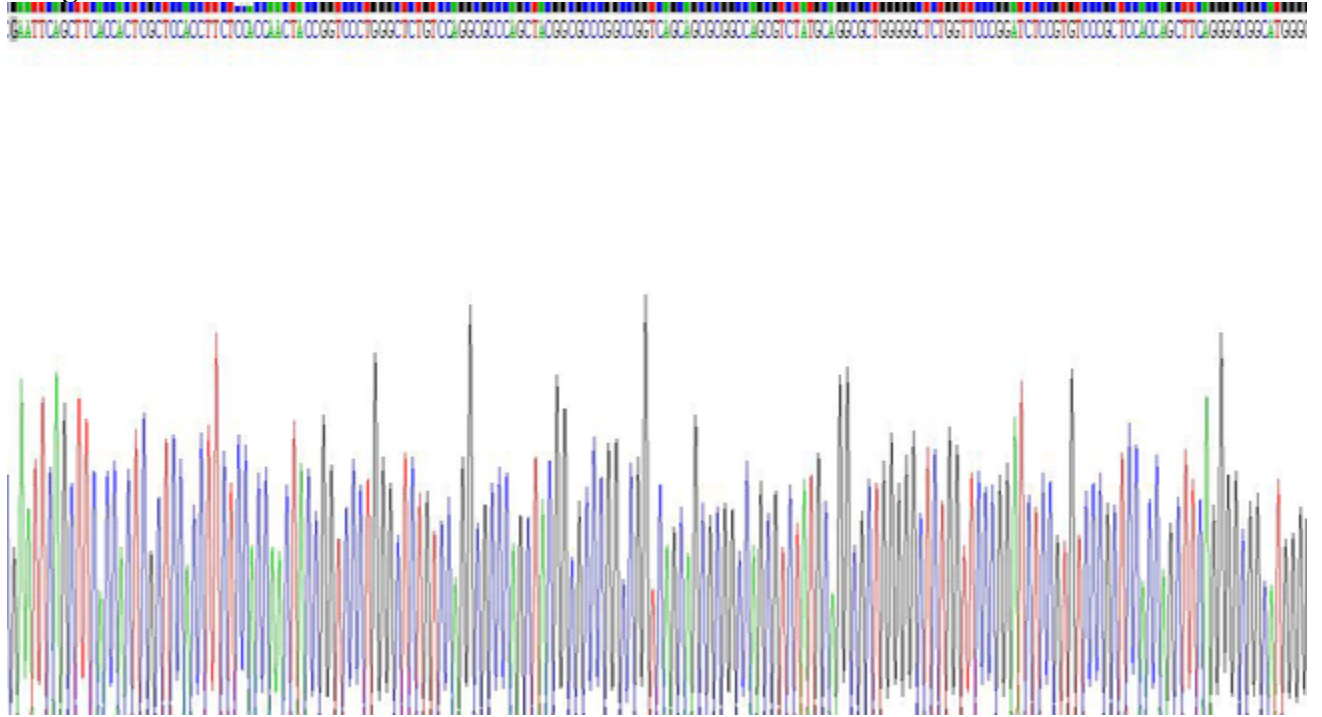


Figure. SDS-PAGE

## **[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.