

# Recombinant Cytokeratin 18 (CK18)

## Instruction Manual

### SIPB410Ra01

#### Rattus norvegicus (Rat)

<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, Cytoplasm
<b>Predicted Molecular Mass</b>	39.6kDa
<b>Accurate Molecular Mass</b>	40kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Glu72~Gly380 with N-terminal His Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 97%
<b>Isoelectric Point</b>	5.2
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

#### SEQUENCE

```
                EKETMQDLN DRLASYLDKV KNLETENRRL  
ESKIREYLEK RGPQGV RDWG HYFKTIEDLR AQIFANSVDN ARIVLQIDNA  
RLAADDFRVK YETELAMRQS VESDIHGLRK VVDDTNITRL QLETEIEALK  
EELLFMKKNH EEEVQGLEAQ IASSGLTVEV DAPKSQDLSK IMADIRAQYE  
QLAQKNREEL DKYWSQIEE STTVVTTKSA EIRDAETLL ELRRTLQTL  
IDLDSMKNQN INLENNLGEV EARYRVQMEQ LNGVLLHLES ELAQTRAEGQ  
RQTQEYEALL NIKVKLEAEI ATYRRILLEDG
```

#### USAGE

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

## STORAGE

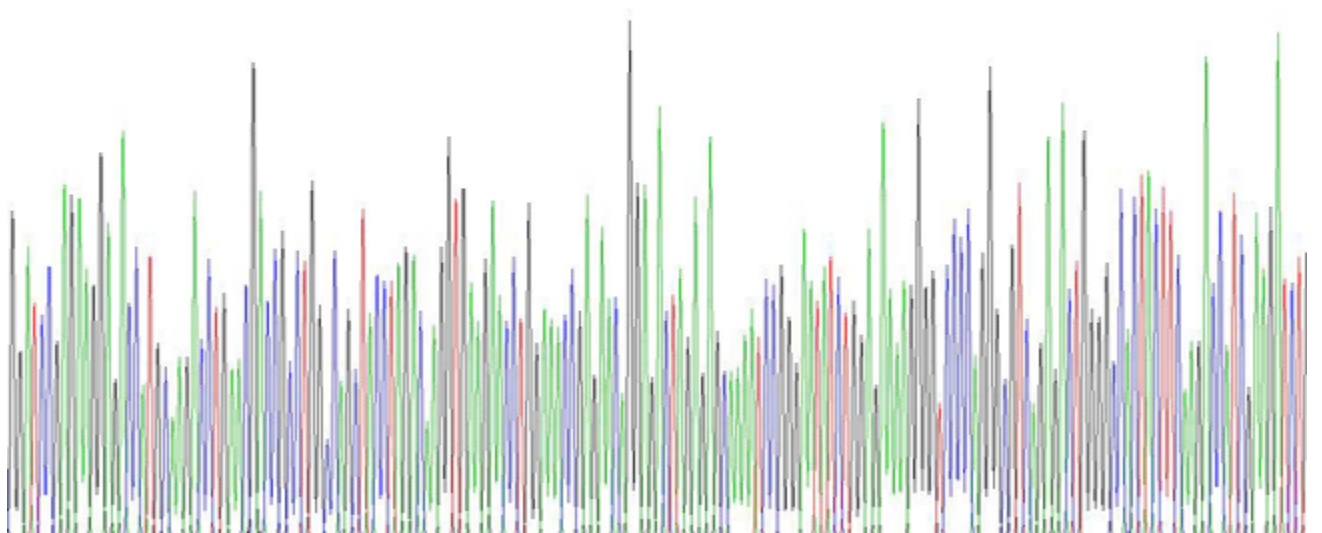
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## 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

CGATCCGAGAGGGAGCCATCCAGACTGACGAGCCGCTGGCCAGCTAAGACAGGGTAAAGAACTGGAAACCGAGAGAGGAGACTAGAGAGCCAAAATCCGGAGAAAAGGGGTCCCAAGGCGTCAGAGACTGGGGCCACTTCCAGAGCCATCGAAGATCC



SDS-PAGE Image

## **[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.

