

# Recombinant Cytokeratin 14 (CK14) Instruction Manual

## SIPA235Ra01

### *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> | 39.7kDa   |
| <b>Accurate Molecular Mass</b>  | 40kDa(Analysis of differences refer to the manual)  |
| <b>Residues &amp; Tags</b>      | Glu122~Glu429 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>                   | > 95%   |
| <b>Isoelectric Point</b>        | 4.4   |
| <b>Applications</b>             | Positive Control; Immunogen; SDS-PAGE; WB.  |

### SEQUENCE

```
                EKVTMQNLN DRLATYLDKV RALEEANSDL  
EVKIRDWYQR QRPTEIKDYS PYFKTIEDLK SKILAATVDN ANVLLQIDNA  
RLAADDFRK FETEQSLRIN VESDINGLRR VLDELTLARA DLEMQIESLK  
EELAYLKKNH EEEMASMRGQ VGGDVNVEMD AAPGVDSLRI LNEMRDQYEK  
MAEKNRKDAE DWFFTKTEEL NREVATNSEL VQSGKSEISE LRRMQNLEI  
ELQSLSMKA SLENNLEETK GRYCMQLAQI QEMIGSVEEQ LAQLRCEMEQ  
QNQEYKILLD VKTRLEQEIA TYRRLLGE
```

### USAGE

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

## STORAGE

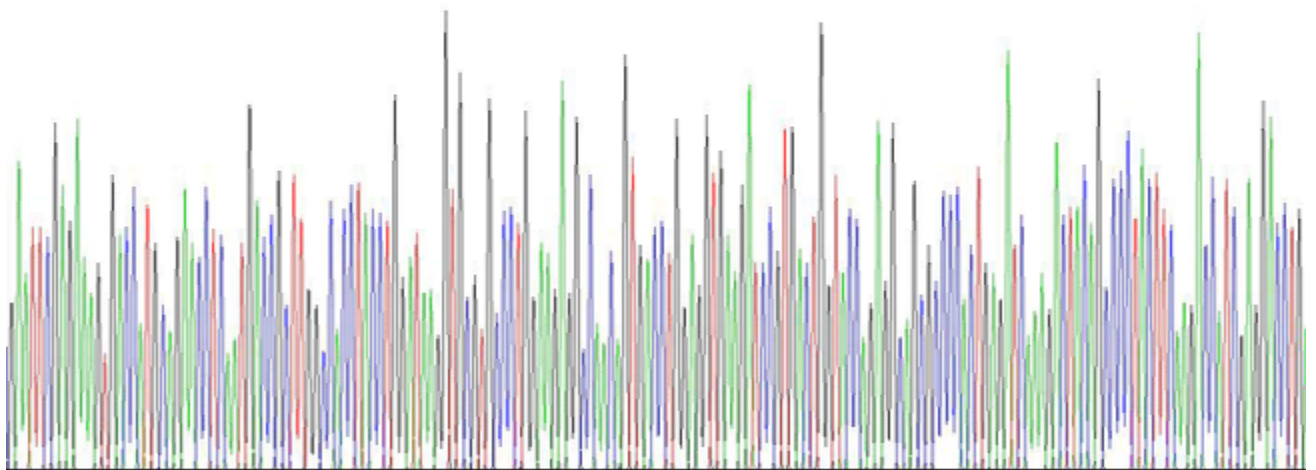
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## 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

GAATTCGAGAAAGTGAOCATCCAGAAOCTCAATGACCGCTTGGCCAOCTAOCCTGGATAAGGTGCGTGCOCCTGGAAAGGCACACAGTGACCTGGAGGTGAAATCCGTCACCTGTAOCAGAGGCAGGCGOCCACTGAGATCAAAAGACTACAGGCCCTTCTTCAAGAACATCGAGGACTG



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.

