

# Recombinant Telomerase Reverse Transcriptase (TERT) Instruction Manual

## SIPC713Ra01

### *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, Chromosome
<b>Predicted Molecular Mass</b>	35.8kDa
<b>Accurate Molecular Mass</b>	35kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Thr673~His976 with N-terminal His Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 95%
<b>Isoelectric Point</b>	8.9
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

```
                TSDSYRIW RTFVLRVRAL DQTPRMYFVK
ADVTGAYDAI PQDKLVEIVA NIIRRSESMY CIRQYAVVQK DSQGQVHKSF
RRQVSTLSDL QPYMGQFTKH LQDSDASALR NSVVIEQSIG MNETGSSLLH
FFLRFVRHSV VKIDGRFYVQ CQGIPQGSSL STLLCSLCFG DMENKLFAEV
QQDGLLLRFV DDFLLVTPHL AHAKAFLSTL VHGVPEYGCM INLQKTVVNF
PVETGALGGA APHQLPAHCL FPWCGLLLDT RTLEVFCDYS GYGRTSIKMS
LTFQGVSRAG KTMRYKLLSV LRLKCH
```

### USAGE

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

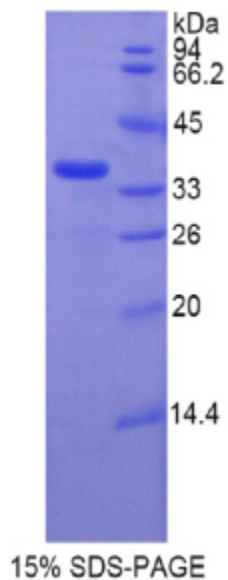
## STORAGE

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



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.