

# Recombinant Collagen Type XVIII (COL18) Instruction Manual

SIPC084Ra01

**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>     | Secreted, Extracellular matrix  |
| <b>Predicted Molecular Mass</b> | 51.5kDa   |
| <b>Accurate Molecular Mass</b>  | 52kDa(Analysis of differences refer to the manual)                      |
| <b>Residues &amp; Tags</b>      | Ser1072~Gly1271 with N-terminal His and GST Tag                         |
| <b>Buffer Formulation</b>       | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| <b>Traits</b>                   | Freeze-dried powder   |
| <b>Purity</b>                   | > 97%   |
| <b>Isoelectric Point</b>        | 7.5   |
| <b>Applications</b>             | Positive Control; Immunogen; SDS-PAGE; WB.                              |

## SEQUENCE

```
SYPTARPWR ADDILANPPR LPDRQYPYGV  
PHHHHHHHHH HSSHEHRPPA HPSPSPAHTH QDFHPVLHLV ALNTPLSGGM  
RGIRGADFQC FQARAVGLS GTFRAFLSSR LQDLYSIVRR ADRSSVPIVN  
LKDEVLSPSW DTLFSGSQGQ LHSGARIFSF DGRDVLRHPA WPOKSVWHGS  
DPSGRRLMES YCETWRTEAT G
```

## USAGE

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

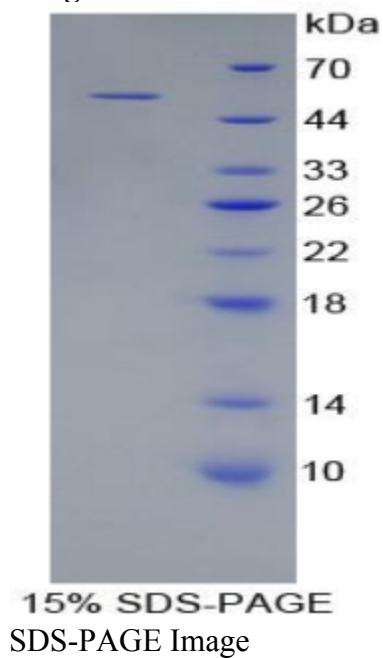
## STORAGE

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



### [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.