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# Recombinant Collagen Type XVIII (COL18)

**Catalog Number: SIPC084Ra01** **Spec: 50ug**

| | |
|---|---|
| **Product Name** | Recombinant Collagen Type XVIII (COL18) |
| **Catalog Number** | SIPC084Ra01 |
| **Organism Species** | Rat |
| **Source** | Prokaryotic expression |
| **Host** | E.coli |
| **Residues** | Ser1072~Gly1271 |
| **Tags** | N-terminal His and GST Tag |
| **Subcellular Location** | Secreted, Extracellular matrix |
| **Purity** | > 97% |
| **Traits** | Freeze-dried powder |
| **Buffer formulation** | PBS, pH7.4, containing 0.1% SKL, 5% Trehalose. |
| **Original Concentration** | 100μg/mL |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.) |
| **Predicted isoelectric point** | 7.5 |
| **Predicted Molecular Mass** | 51.5kDa |
| **Accurate Molecular Mass** | 52kDa as determined by SDS-PAGE reducing conditions. |

**[ USAGE ]**

Reconstitute in ddH2O to a concentration of 0-0.5 mg/mL. Do not vortex.

**[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

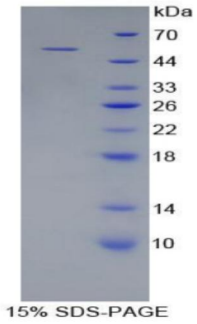
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by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**[ SEQUENCE ]**

SYPTARPWR ADDILANPPR LPDRQPYPGV
PHHHHHHHHH HSSHEHRPPA HPSPSPAHTH QDFHPVLHLV ALNTPLSGGM
RGIRGADFQC FQQARAVGLS GTFRAFLSSR LQDLYSIVRR ADRSSVPIVN
LKDEVLSPSW DTLFSGSQGQ LHSGARIFSF DGRDVLRHPA WPQKSVWHGS
DPSGRRLMES YCETWRTEAT G

**[ IDENTIFICATION ]**



15% 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.