

**RPC143Hu01 100µg**

**Recombinant Collagen Type IV Alpha 3 (COL4a3)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

---

13th Edition (Revised in Aug, 2023)

## [ **PROPERTIES** ]

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Leu1428~His1670

**Tags:** N-terminal His Tag

**Subcellular Location:** Secreted, Extracellular matrix

**Purity:** > 95%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

**Original Concentration:** 50µg/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:** 8.2

**Predicted Molecular Mass:** 30.5kDa

**Accurate Molecular Mass:** 27kDa as determined by SDS-PAGE reducing conditions.

## [ **USAGE** ]

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

## [ **STORAGE AND STABILITY** ]

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

Store at 2-8°C for one month.

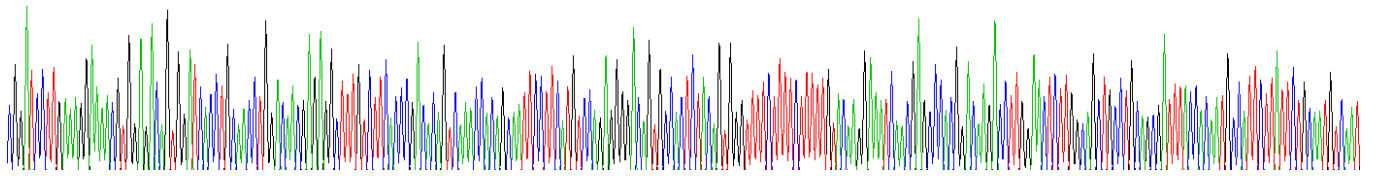
Aliquot and store at -80°C for 12 months.

**Stability Test:** 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.

## [ **SEQUENCE** ]

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| HSQTTAIPSC | PEGTVPLYSG | FSFLFVQGNQ | RAHGQDLGTL | GSCLQRFTTM |
| PFLFCNVNDV | CNFASRNDYS | YWLSTPALMP | MNMAPITGRA | LEPYISRCTV |
| CEGPAIAIAV | HSQTTDIPPC | PHGWISLWKG | FSFIMFTSAG | SEGTGQALAS |
| PGSCLEEFRA | SPFLECHGRG | TCNYYSNSYS | FWLASLNPER | MFRKPIPSTV |
| KAGELEKIIS | RCQVCMKKRH |            |            |            |

**[ IDENTIFICATION ]**



### Figure . Gene Sequencing (extract)

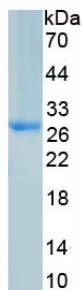


Figure. SDS-PAGE

**[ 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.