

**Collagen-I, human recombinant protein****Collagen-I****Catalog # PBV10415r****Specification**

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**Collagen-I, human recombinant protein - Product info**

Calculated MW

**96.0 kDa KDa****Collagen-I, human recombinant protein - Additional Info****Other Names**

Collagen-I, Collagen alpha-1(VII) chain, Long-chain collagen, LC collagen, COL7A1

Gene Source

**Human**

Source

**E. coli**

Assay&amp;Purity

**SDS-PAGE; ≥95%**

Assay2&amp;Purity2

**HPLC; ≥95%**

Recombinant

**Yes****Application Notes**

Reconstitute the lyophilized rhCollagen in H<sub>2</sub>O to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted to other aqueous solutions and stored aliquoted at -20°C for future use.

**Format**

Lyophilized protein

**Storage**

-20°C; Sterile filtered and lyophilized with no additives

**Collagen-I, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Collagen-I, human recombinant protein - Images****Collagen-I, human recombinant protein - Background**

Recombinant human collagen produced from E. coli is a non-glycosylated 96 kDa polypeptide chain. It is expressed with human collagen cDNA transcribed reversely from mRNA and purified by proprietary chromatographic techniques. Recombinant human Collagen retains the function of collagen and unlike collagen extracted from animal tissues; rhCollagen is free from virus, H<sub>2</sub>O

soluble, and with less immunogenicity for in vivo studies.