

# Recombinant Human Collagen I alpha 2/COL1A2 Protein

Catalog No.: RP01630 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	1278	P08123

### Tags

C-hFc

### Synonyms

COL1A2;OI4

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

<0.1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening.  
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

### Basic Information

#### Description

Recombinant Human Collagen I alpha 2/COL1A2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp1120-Lys1366) of human Collagen I alpha 2/COL1A2 (Accession #NP\_000080.2) fused with and a hFc tag at the C-terminus.

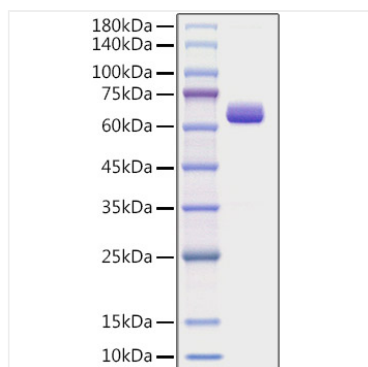
#### Bio-Activity

#### Storage

Store the lyophilized protein at -20°C to -80°C for 12 months.  
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.  
Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human Collagen I alpha  
2/COL1A2 Protein was determined by SDS-  
PAGE with Coomassie Blue, showing a band  
at 60-75 kDa.