

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 \geq 95 % as

determined by SDS-PAGE

Calculated MW Observed MW

53.82 kDa 60-75 kDa

Endotoxin

 $< 0.1 \; EU/\mu g$ of the protein by LAL method.

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 stablizer (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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

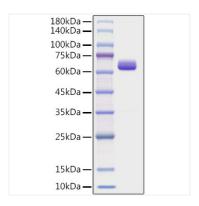
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human Collagen I alpha 2/COL1A2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.