

Native Human Collagen Type IV

Cat. No. Collagen Type IV-09H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Collagen Type IV is isolated from human placenta and is purified using a multi-step process.
Species	Human
Source	Placenta
Description	Human Collagen Type IV is the primary collagen found in the extracellular basement membranes separating a variety of epithelial and endothelial cells. It is a major component of the dermal-epidermal junction where it is mostly found in the lamina densa. It is a heterotrimeric molecule containing two $\alpha 1$ -like and one $\alpha 2$ -like chains.
Form	Non-sterile powder
Endotoxin	≤ 1.00 EU/mL as measured by kinetic LAL
Applications	3D Gels, Tissue engineering research, Wound healing constructs, Coatings, Solid free-form fabrications, Electrospinning, in-vitro research, Nerve Repair, Hemostats, Sealants, Coils, Sponges, Spheres/Beads, Ligaments, Strings, Tubes/Cylinders, Films
Usage	Coating Procedure Note: This product is not sterile and is not intended for applications requiring sterile materials. 1. Reconstitute the 5 mg vial with 5 mL of cold 0.25% acetic acid and mix by pipetting

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up and down several times. Allow to sit at 2-10 centigrade swirling periodically for >1 hour.

Note: The resulting solution will be slightly hazy. If there are some insoluble materials present and you wish to remove it, centrifuge the material.

2. Dilute the product to desired concentration with sterile 0.25% acetic acid if required.

Storage

Store at -20 centigrade before reconstitution. Store at 4 centigrade for 3 months after reconstitution.

GENE INFORMATION**Official Symbol**

Collagen Type IV

Synonyms

Collagen Type IV

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