

Native Mouse Collagen Type I Protein

Cat. No. Collagen Type I-11M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified type I native mouse collagen from mouse tail tendon. Lyophilized. Reconstitute to yield 1-5 mg/mL collagen solution.
Species	Mouse
Source	Mouse Tail Tendon
Description	Type I collagen is the most abundant collagen and is found in connective tissues including tendon, ligament, dermis and blood vessel. It is the major component and the primary determinant of tensile strength of the extracellular matrix (ECM). It is widely used as a thin layer on tissue-culture surfaces to enhance the attachment and proliferation of a variety of cells including endothelial cells, fibroblasts, hepatocytes, epithelial cells etc. In addition, collagen I can self-assemble into a 3-D supermolecular gel in vitro, making it an ideal biological scaffold to promote more in vivo-like cellular morphology and function.
Form	Lyophilized, salt free, 1 mg/vial
Purity	Murine Collagen Type I at least 90% Non- Collagen proteins below 2%
Applications	Used for coating material for cell culture studies. May not be suitable for 3-D gel formation.
Storage	Collagen dissolved in acetic acid is stable at 4 centigrade for 1 month. Lyophilized

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collagen long term storage (2 years) at -20 centigrade or lower.

Reconstitution

Add 0.01-0.05 M acetic acid to yield 1-5 mg/mL collagen solution. Gentle mixing overnight at 4 centigrade.

GENE INFORMATION

Official Symbol

Collagen Type I

Synonyms

COL1A1; COL1A2; osteogenesis imperfecta; Collagen Type I

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