

Native Human COL3A1 Protein

Cat. No. COL3A1-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human Collagen Type III has been prepared from human placenta and is chromatographically and immunologically pure. This product is free from other collagens, human serum proteins and non-collagen extracellular matrix proteins. This product reacts with Anti-Collagen Type III.
Species	Human
Source	Human Placenta
Description	This gene encodes the pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene.
Form	Liquid (sterile filtered)
Applications	ELISA: 1:10,000 Western Blot: 1:1000 Immunohistochemistry: 1:100-1:500 ImmunoPrecipitation: 1:100-1:500 Other Dilution: User Optimized
Storage	Store vial at 4 centigrade prior to opening. This product is stable at 4 centigrade as an

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undiluted liquid. Dilute only prior to immediate use.

Concentration 1.0 mg/ml by modified Lowry assay

Storage Buffer 0.5 M Acetic Acid

Preservative 0.01% (w/v) Sodium Azide

GENE INFORMATION

Gene Name COL3A1 collagen type III alpha 1 chain [Homo sapiens (human)]

Official Symbol COL3A1

Synonyms COL3A1; collagen type III alpha 1 chain; EDS4A; EDSVASC; PMGEDSV; collagen alpha-1(III) chain; Ehlers-Danlos syndrome type IV, autosomal; dominant; alpha-1 type III collagen; alpha1 (III) collagen; collagen, fetal; collagen, type III, alpha 1

Gene ID 1281

mRNA Refseq NM_000090

Protein Refseq NP_000081

MIM 120180

UniProt ID P02461

WB

Western Blot of COLLAGEN III Lane 1: Human Collagen III Load: 100 ng per lane
Primary antibody: Collagen III Antibody at 1:1000 o/n at 4°C Secondary antibody:

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DyLight™ 649 Goat anti-rabbit at 1:20,000 for 30 min at RT Block: MB-070 for 30 min at RT Predicted/Observed size: 138 kDa, 138 kDa

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