

Native Human Collagen Type III

Cat. No. Collagen-326H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This Type III Collagen product is isolated from human placenta and is purified using a multi-step process with approximately 85% Type III collagen with the remainder being comprised of Type I collagen.
Species	Human
Source	Human placenta
Description	Collagen type III, a fibrous scleroprotein found in bone, cartilage, tendon, bone marrow stroma and other connective tissue, yields gelatin on boiling. Collagen type III scleroprotein is a simple protein found in horny and cartilaginous tissues and in the lens of the eye. In muscle tissue, collagen serves as a major component of the endomysium. Collagen constitutes one to two percent of muscle tissue, and accounts for 6% of the weight of strong, tendinous muscles. A collagen may be defined as a protein containing sizable domain(s) of triple-helical conformation.
Form	Liquid in 0.01 N HCl (to be confirmed from label)
Endotoxin	< 0.05 EU/mg by LAL
Applications	Typically used as a thin coating on tissue culture surfaces or as a control. This product is generally used in vitro as a substrate scaffold to enhance cell attachment, adherence and proliferation.
Notes	Human source has been tested and found negative for Hepatitis B, C, Syphilis and

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	immunodeficiency virus-1.
Storage	Store vial at 2-10°C
Concentration	To be diluted with 0.01 N HCl to desired concentration
Shipping	2-10°C
EC	9007-34-5
Unit definition	0.01 N HCl
Usage	Preparation Procedure: 1. Remove required quantity of collagen from the bottle and dispense into a dilution vessel. 2. Dilute Type III collagen with a 0.01 N HCl to desired concentration. 3. Swirl contents gently until material is completely mixed.

GENE INFORMATION

Gene Name	COL3A1 collagen type III alpha 1 chain [Homo sapiens]
Official Symbol	COL3A1
Synonyms	COL3A1; collagen, type III, alpha 1; EDS4A; FLJ40358
Gene ID	1281
mRNA Refseq	NM_000090
Protein Refseq	NP_000081
MIM	120180

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

P02461

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA