

Native Human Collagen type VI

Cat. No. COL6-116H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human Collagen type VI was purified from Human Placenta.
Species	Human
Source	Human Placenta
Description	Collagen type VI is a form of collagen primarily associated with the extracellular matrix of skeletal muscle. Collagen type VI is associated with the genes COL6A1, COL6A2, and COL6A3. Defects in collagen VI are associated with Bethlem myopathy and Ullrich congenital muscular dystrophy.
Form	Liquid (sterile filtered)
Purity	Human Collagen type VI 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.
Applications	Human Collagen type VI purified protein standard is used as a control in ELISA and western blot. Collagen type VI is recognized by type specific anti-collagen antibodies that recognize a native three-dimensional structure. ELISA : 1:10,000 Western Blot : 1:1000 Immunohistochemistry: 1:100-1:500 Other Dilution: User Optimized
Storage	Store vial at 4 °C prior to opening. This product is stable at 4 °C as an undiluted liquid. Dilute only prior to immediate use.

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Concentration	1.0 mg/mL by dry weight
Storage Buffer	0.5 M Acetic Acid
Preservative	0.01% (w/v) Sodium Azide
GENE INFORMATION	
Gene Name	COL6A1 collagen, type VI, alpha 1 [Homo sapiens (human)]
Official Symbol	COL6A1
Synonyms	collagen, type VI, alpha 1; OPLL; COL6A1; collagen alpha-1(VI) chain; alpha 1 (VI) chain (61 AA); collagen VI, alpha-1 polypeptide; human mRNA for collagen VI alpha-1 C-terminal globular domain9
Gene ID	1291
mRNA Refseq	NM_001848
Protein Refseq	NP_001839
MIM	120220
UniProt ID	P12109
Chromosome Location	21q22.3
Pathway	Assembly of collagen fibrils and other multimeric structures; Collagen biosynthesis and modifying enzymes; ECM-receptor interaction; NCAM1 interactions

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Function	platelet-derived growth factor binding
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