

Native Bovine COL6A1 Protein

Cat. No. COL6A1-001B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Bovine COL6A1 Protein has been prepared from Bovine Placenta and is chromatographically and immunologically pure.
Species	Bovine
Source	Placenta
Description	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. Type IV collagen is a major macromolecular constituent of basement membranes and can be readily isolated from basement-membrane-rich tissues or highly vascularized tissues such as the placental villi. This collagen appears to be largely restricted to structures identifiable as basement membranes. In contrast, type VI collagen appears to be prevalent in several tissues even though it has been isolated largely from placental villi preparations. The extent to which type VII and VIII collagens are distributed is not known.
Form	Liquid (sterile filtered)
Purity	This product reacts with anti-Collagen Type VI. Reaction with Rockland's anti-Collagen I, II, III, IV or V is negligible (typically less than 1% cross reactivity was detected by ELISA).

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Applications	ELISA: 1:10,000 Western Blot: 1:1000 Immunohistochemistry: 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 undiluted liquid. Dilute only prior to immediate use.
Concentration	1.0 mg/mL by UV absorbance at 280 nm
Storage Buffer	0.5 M Acetic Acid
Preservative	0.01% (w/v) Sodium Azide
Shipping	Wet Ice

GENE INFORMATION

Gene Name	COL6A1 collagen type VI alpha 1 chain [Bos taurus (cattle)]
Official Symbol	COL6A1
Synonyms	COL6A1; collagen type VI alpha 1 chain; collagen alpha-1(VI) chain; collagen, type VI, alpha 1
Gene ID	511422
mRNA Refseq	NM_001143865
Protein Refseq	NP_001137337

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