

# Native Bovine Type IV Collagen Protein

**Cat. No.** Collagen-225B    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Native Bovine Type IV Collagen Protein, Tag Free is isolated from Bovine. Bovine Collagen Type IV reacts with anti-Collagen Type IV.                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Bovine                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | Bovine Placenta                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Bovine Collagen Type IV is one of a family of proteins found particularly in the flesh and connective tissues of mammals (approximately one-third of the body's total protein). Over two dozen types of collagen have been described, though Type IV in particular is involved in forming the foundation of cellular basement membranes, the lens of the eye, and within the capillaries of the glomeruli and nephron in the kidneys. |
| <b>Tag</b>              | Non                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Liquid (sterile filtered)                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | Bovine Collagen Type IV has been prepared from Bovine Placenta and is chromatographically and immunologically pure.                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | Store vial at 4° C prior to opening. Bovine Collagen Type IV is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Storing dilutions is not recommended.                                                                                                                                                                                                                                                      |

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**Concentration** 1.0 mg/ml by nanodrop at 205 nm

**Storage Buffer** 0.5 M Acetic Acid

**Shipping** Wet Ice

#### SDS-PAGE of Bovine

**Collagen Type IV.**

**Lane 1: Bovine**

**Collagen Type IV**

**Reduced (5.0µg).**

**Lane 2: Opal**

**Prestained Molecular**

**Weight Marker. Lane**

**3: Bovine Collagen**

**Type IV Non-**

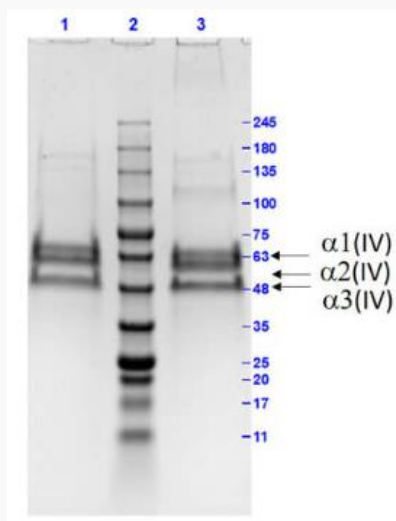
**Reduced (5.0µg).**

**Observed MW: α1,**

**α2, α3 bands. 4-20%**

**Gel Coomassie**

**Stained.**



SDS-PAGE

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