

Datasheet for 001-001-105

Bovine Collagen Type III**Overview**

Description:	Bovine Collagen Type III - 001-001-105
Item No.:	001-001-105
Size:	500 µg
Applications:	SDS-PAGE
Origin:	Bovine

Product Details

Background:	Bovine Collagen Type III 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 III is the collagen associated with granulation tissues formed during healing.
Synonyms:	Type III collagen, collagen 3, bovine collagen
Species of Origin:	Bovine
Type:	Native Protein

Target Details

Gene Name:	COL3A
Purity/Specificity:	Bovine Collagen Type III has been prepared from bovine placenta and is chromatographically and immunologically pure. Bovine Collagen Type III is free from other collagens, serum proteins and non-collagen extracellular matrix proteins. Bovine Collagen Type III reacts with anti-Collagen Type III. Reaction with Rockland's anti-Collagen I, II, IV, V or VI is negligible.
Relevant Links:	• GeneID - 510833 • NCBI - AAI23470.1 • UniProtKB - P04258

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Bovine Collagen Type III is tested by SDS-Page and can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IHC:	1:100-1:500
WB:	1:1000

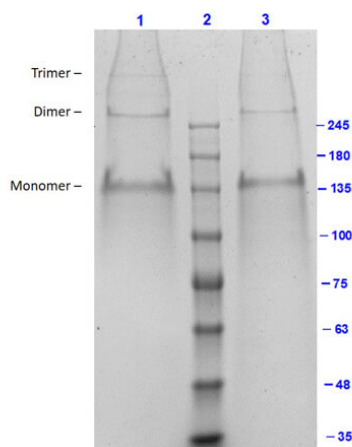
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/ml by nanodrop at 205 nm
Buffer:	0.5 M Acetic Acid
Preservative:	0.01% (w/v) Sodium Azide

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



SDS-PAGE

SDS-PAGE Results of Bovine Collagen Type III. Lane 1: Bovine Collagen Type III Reduced (7.0µg). Lane 2: Opal Prestained Molecular Weight Marker (p/n MB-210-0500). Lane 3: Bovine Collagen Type III Non-Reduced (7.0µg). 7.5% Gel, Coomassie Stained. Observed MW: Type III trimer, dimer, monomer.

Disclaimer

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