

Datasheet for 001-001-104**Bovine Collagen Type II****Overview**

Description:	Bovine Collagen Type II (NASAL CARTILAGE) - 001-001-104
Item No.:	001-001-104
Size:	500 µg
Applications:	SDS-PAGE
Origin:	Bovine

Product Details

Background:	Bovine Collagen Type II (Nasal Cartilage) 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; Type II is found predominantly in hyaline cartilage (50% of the protein in hyaline is collagen type II) and is also found in the vitreous humor of the eye.
Synonyms:	Type II collagen, collagen 2, bovine collagen, collagen protein Type II, bovine collagen Type II protein
Species of Origin:	Bovine
Type:	Native Protein

Target Details

Gene Name:	COL2A1
Purity/Specificity:	Bovine Collagen Type II (Nasal Cartilage) has been prepared from bovine nasal cartilage and is chromatographically and immunologically pure. Bovine Collagen Type II (Nasal Cartilage) is free from other collagens, serum proteins and non-collagen extracellular matrix proteins. Bovine Collagen Type II (Nasal Cartilage) reacts with anti-Collagen Type II. Reaction with Rockland's anti-Collagen I, III, IV, V or VI is negligible.
Relevant Links:	• GeneID - 407142 • NCBI - NP_001001135.2 • UniProtKB - P02459

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Bovine Collagen Type II 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

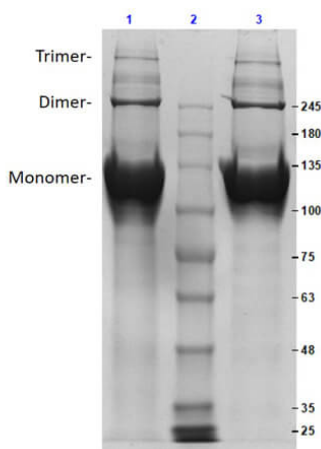
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by modified Lowry assay
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. Bovine Collagen Type II (Nasal Cartilage) 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 II. Lane 1: Bovine Collagen Type II Reduced [7µg]. Lane 2: Opal Prestained Molecular Weight Marker (p/n MB-210-0500). Lane 3: Bovine Collagen Type II Non-Reduced [7µg]. 7.5% Gel, Coomassie stained.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.