

Datasheet for 009-001-107**Human Collagen Type V****Overview**

Description:	Human Collagen Type V - 009-001-107
Item No.:	009-001-107
Size:	500 µg
Applications:	SDS-PAGE
Origin:	Human

Product Details

Background:	Human Collagen Type V 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 V in particular is found in most interstitial tissues and associates with Type I collagen. Human Collagen Type V is also found in the placenta.
Synonyms:	Type V collagen, collagen 5, human collagen
Species of Origin:	Human
Type:	Native Protein

Target Details

Gene Name:	COL5A1-COL5A3
Purity/Specificity:	Human Collagen Type V 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. Human Collagen Type V reacts with anti-Collagen Type V. Reaction with Rockland's anti-Collagen I, II, III, IV or VI is negligible.
Relevant Links:	• 009-001-107 SDS • UniProtKB - P05997 • UniProtKB - P25940 • GenelD - 1289 • NCBI - CAI39859.1

- [UniProtKB - P20908](#)

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Human Collagen Type V has been tested in 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

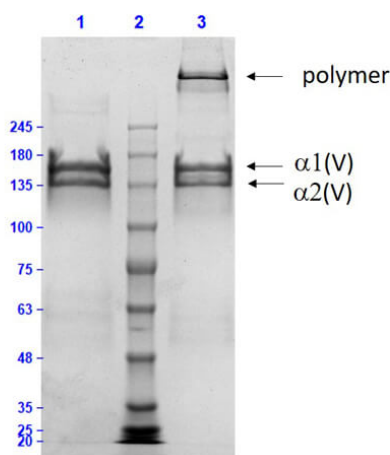
Formulation

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. Human Collagen Type V 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 of Human Collagen Type V. Lane 1: Human Collagen Type V Reduced (7.0µg). Lane 2: Opal Prestained Molecular Weight Marker (p/n MB-210-0500). Lane 3: Human Collagen Type V Non-Reduced (7.0µg). Observed MW: α1 and α2 bands. 4-20% Gel Coomassie Stained.

References

- Theriault HS et al. Matrix Tropism Influences Endometriotic Cell Attachment Patterns. *Adv Funct Mater.* (2025)

Disclaimer

No test method can provide total assurance that the hepatitis B virus, hepatitis C virus, human immunodeficiency virus, or any other infectious agents are absent. Thus, all blood products, including purified proteins derived from human blood sources, should be handled at Biosafety Level 2 as recommended by the CDC\NIH manual entitled Biosafety in Microbiological and Biomedical Laboratories for potentially infectious human serum, blood specimens or proteins derived from same. Source material for the human blood product supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis by FDA guidelines. All units were found to be non-reactive/negative for these tests. All human blood source material is collected in FDA licensed centers and is tested with FDA approved test kits.

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.