

Product Datasheet

Collagen I Native Protein

NBP1-97266

Unit Size: 0.5 mg

Store at 4C. Do not freeze.

www.novusbio.com



technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-97266

Updated 10/23/2024 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP1-97266



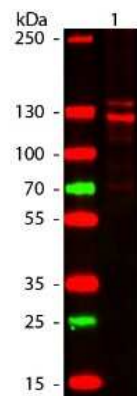
NBP1-97266

Collagen I Native Protein

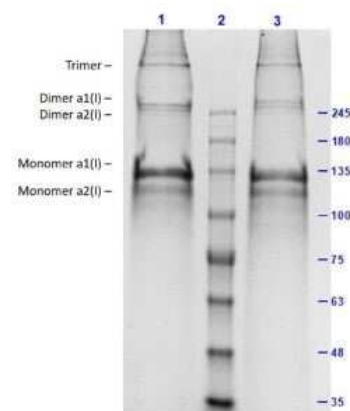
Product Information	
Unit Size	0.5 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Preservative	0.01% Sodium Azide
Purity	Multi-step
Buffer	0.5 M Acetic Acid
Product Description	
Description	<p>Native Human Collagen I (COL1A1 & COL1A2 subunits)</p> <p>Source: Human placenta (Accession #:P02452, P08123)</p> <p>Store vial at 4C prior to opening. This product is stable at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>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.</p>
Gene ID	1277
Gene Symbol	COL1A1
Species	Human
Preparation Method	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.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, SDS-Page
Recommended Dilutions	Western Blot 1:1000, ELISA 1:10000, Immunohistochemistry 1:100-1:500, SDS-Page
Application Notes	This product has been tested in SDS-PAGE. This product is suitable for western blot, ELISA, and 2D culture. Collagen type I is recognized by type specific anti-collagen antibodies that recognize a native three-dimensional structure.

Images

Western Blot: Collagen I Native Protein [NBP1-97266] - Western blot of Human Collagen I. Lane 1: Human Collagen 1. Lane 2: None. Load: 50 ng per lane. Primary antibody: Collagen I antibody at 1:1,000 overnight at 4C. Secondary antibody: DyLight 649 rabbit secondary antibody at 1:20,000 for 30 min at RT. Block for 30 min at RT. Predicted/Observed molecular weight: 139 & 130 kDa, 139 & 130 kDa for Collagen I. Other Band(s): Collagen I splice variants and isoforms.



SDS-Page: Collagen I Native Protein [NBP1-97266] - SDS-PAGE Results of Human Collagen I. Lane 1: Human Collagen I Reduced (5.0ug). Lane 2: Opal Prestained Molecular Weight Marker. Lane 3: Human Collagen I Non-Reduced (5.0ug). 7.5% Gel, Coomassie Stained. Observed MW: Type I trimer, Type I dimer a1, a2, Type I monomer a1, a2.



Publications

Iwai M, Tulafu M, Togo S et al. Cancer-associated fibroblast migration in non-small cell lung cancers is modulated by increased integrin $\alpha 11$ expression *Molecular Oncology* 2021-05-01 [PMID: 33682233]

Russo V, Klein T, Lim DJ et al. Granzyme B is elevated in autoimmune blistering diseases and cleaves key anchoring proteins of the dermal-epidermal junction. *Sci Rep.* 2018-06-26 [PMID: 29946113] (IF/IHC, Human)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-97266

7754-BH-005/CF	TGF-beta 1 [Unconjugated]
NB600-408-0.1mg	Collagen I Antibody
M6000B-1	IL-6 [HRP]
291-G1-200	IGF-I/IGF-1 [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-97266

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

