

Datasheet: 2150-0030

**BATCH NUMBER 172422**

<b>Description:</b>	NATIVE HUMAN COLLAGEN I
<b>Name:</b>	COLLAGEN I
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified protein from human placenta - lyophilized
<b>Reconstitution</b>	Use 0.05 - 0.5 M acetic acid, pH 2.5 at 4°C.
<b>Preparation</b>	Collagen from washed dissected tissue was dissolved in acetic acid after mild pepsin treatment. Collagen type I was then purified using differential salt precipitation.
<b>Preservative Stabilisers</b>	None present

### External Database Links

#### UniProt:

[P02452](#)   [Related reagents](#)

[P08123](#)   [Related reagents](#)

#### Entrez Gene:

[1277](#) COL1A1   [Related reagents](#)

[1278](#) COL1A2   [Related reagents](#)

<b>Product Information</b>	Collagen is located in the extracellular matrix of connective tissues. It is part of the interacting network of proteoglycans and proteins that provides a structural framework for both soft and calcified connective tissues. Type I collagen (95 kDa) is found in bone, cornea, skin and tendon. Mutations in the encoding gene are associated with osteogenesis imperfecta, Ehlers Danlos syndrome, and idiopathic osteoporosis.
<b>Protein Molecular Weight</b>	300 kDa
<b>Purity</b>	>90%
<b>Storage</b>	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.
<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
<b>Acknowledgements</b>	The human source was tested and found negative for HBsAg and HIV-1/2 antibodies.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10268 available at: <a href="https://www.bio-rad-antibodies.com/SDS/2150-0030">https://www.bio-rad-antibodies.com/SDS/2150-0030</a>  Donor material tested and found negative for HBsAg, HCV, and HIV1 and 2 antibodies.  As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious
<b>Regulatory</b>	For research purposes only

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
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