

Datasheet: 2150-1915

**BATCH NUMBER 160498**

<b>Description:</b>	NATIVE RAT COLLAGEN I
<b>Name:</b>	COLLAGEN I
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	10 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 the appropriate negative/positive controls.

<b>Target Species</b>	Rat
<b>Product Form</b>	Purified protein from rat tail tendon - lyophilized
<b>Reconstitution</b>	Reconstitute in ice cold 0.5 M acetic acid, pH 2.5. Solubility - 10 mg/ml.
<b>Preparation</b>	Collagen was extracted from washed dissected tissue into dilute acetic acid after pepsin treatment. Collagen type I was purified by using differential salt precipitation.
<b>Buffer Solution</b>	Essentially salt free
<b>Preservative Stabilisers</b>	None present.

### External Database Links

#### UniProt:

[P02454](#)    [Related reagents](#)  
[P02466](#)    [Related reagents](#)

#### Entrez Gene:

[29393](#) Col1a1 [Related reagents](#)

[84352](#) Col1a2 [Related reagents](#)

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**Product Information** **Native Rat collagen I** is purified rat collagen I derived from tail tendon tissue.

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**Purity** SDS PAGE: >90%

Rat collagen type III 10%

Rat collagen, other types <1%

Non-collagen proteins <0.5%

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**Further Reading** 1. Miller, E.J. & Gay, S. (1982) Collagen: an overview. [Methods Enzymol. 82 Pt A: 3-32.](#)

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**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
Do not freeze after reconstitution. Stable for 1-2 months at 4°C.

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**Guarantee** Guaranteed until date of expiry. Please see product label.

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**Health And Safety Information** Material Safety Datasheet documentation #10268 available at:  
<https://www.bio-rad-antibodies.com/SDS/2150-1915>  
10268

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**Regulatory** For research purposes only

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

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