

Datasheet: 2150-1915

Description:	NATIVE RAT COLLAGEN I
Name:	COLLAGEN I
Format:	Purified
Product Type:	Purified Protein
Quantity:	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.

	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.

Target Species	Rat
Product Form	Purified protein from rat tail tendon - lyophilised
Reconstitution	Reconstitute in ice cold 0.5 M acetic acid, pH 2.5. Solubility - 10 mg/ml.
Preparation	Collagen was extracted from washed dissected tissue into dilute acetic acid after pepsin treatment. Collagen type I was purified by using differential salt precipitation.
Buffer Solution	Essentially salt free
Preservative Stabilisers	None present.
External Database Links	<p>UniProt:</p> <p>P02454 Related reagents</p> <p>P02466 Related reagents</p> <p>Entrez Gene:</p> <p>29393 Col1a1 Related reagents</p> <p>84352 Col1a2 Related reagents</p>
Product Information	Native Rat collagen I is purified rat collagen I derived from tail tendon tissue.
Purity	SDS PAGE: >90%

Rat collagen type III 10%
Rat collagen, other types <1%
Non-collagen proteins <0.5%

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

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.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10268 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf>

Regulatory For research purposes only

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'M299108:161213'

Printed on 13 Apr 2018

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