

Datasheet: 2150-1915

BATCH NUMBER 165706

| | |
|----------------------|-----------------------|
| 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 - lyophilized |
| Reconstitution | Reconstitute in ice cold 0.05 M acetic acid, pH 3.5. 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

UniProt:

[P02454](#)

[Related reagents](#)

[P02466](#)

[Related reagents](#)

Entrez Gene:

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

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

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.

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

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