

Datasheet: 8040-0106

**BATCH NUMBER 157907**

<b>Description:</b>	NATIVE BOVINE RIBONUCLEASE A
<b>Name:</b>	RIBONUCLEASE A
<b>Other names:</b>	RNASE1
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	100 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	▪			
Functional Assays	▪			

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>	Bovine
<b>Product Form</b>	Purified Protein - lyophilized
<b>Reconstitution</b>	Reconstitute to a concentration of 1.0 mg/ml with distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
<b>Preservative Stabilisers</b>	None present
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P61823</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">282340</a>    RNASE1    <a href="#">Related reagents</a></p>

**Synonyms** RNS1

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**Product Information** **Native ribonuclease A** is purified RNase A isolated from bovine pancreas. RNase A is an endoribonuclease that exists as a single chain polypeptide containing 4 disulphide bridges. It can be inhibited by alkylation of the histidine-12 or histidine-119 that are present in the active site. Activators of RNase A include potassium and sodium salts.

The optimal conditions for activity are 60°C and pH 7.6.

CAS number: 9001-99-4

EC number: 3.1.27.5

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**Protein Molecular Weight** 13.7 kDa

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**Storage** 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. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 6 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10268 available at:  
<https://www.bio-rad-antibodies.com/SDS/8040-0106>  
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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