

Bioactive

# Ribonuclease B

Catalog # P5304      Size 100 mg

## Specification

<b>Product Description</b>	A partially purified preparation containing a mixture of RNase A and RNase B. A soluble, dialyzed lyophilized powder.
<b>Biological function</b>	Pancreatic ribonuclease (RNase) is an endoribonuclease. There are two forms, RNase A and RNase B, RNase B is the glycosylated form of RNase A.
<b>Host</b>	Bovine
<b>Theoretical MW (kDa)</b>	14.7
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Native protein purified from Bovine Pancreas
<b>Activity</b>	$\geq 1,000$ units per mg dry weight. One Kunitz unit is the amount of enzyme required to cause an increase in absorbance of 1.0 at 260 nm at 37°C (pH 5.0) when yeast rRNA is hydrolyzed to acid-soluble oligonucleotides. 50 units are equivalent to 1 Kunitz unit.
<b>Recommend Usage</b>	Ribonuclease Assay; RNA removal during DNA isolation; RNA sequence analysis; RNase protection assays; RNA quantification or mapping.
<b>Storage Instruction</b>	Store at 4°C.

## Applications

- Enzyme Activity

## Gene Info — RNASE1

<b>Entrez GeneID</b>	<a href="#">282340</a>
<b>Protein Accession#</b>	<a href="#">P61823</a>

Gene Name	RNASE1
Gene Alias	RNS1
Gene Description	ribonuclease
Gene Ontology	<a href="#">Hyperlink</a>
Other Designations	ribonuclease A (pancreatic)

## Publication Reference

- [Toward Automatic and Comprehensive Glycan Characterization by Online PGC-LC-EED MS/MS.](#)

Wei J, Tang Y, Bai Y, Zaia J, Costello CE, Hong P, Lin C.

Analytical Chemistry 2019 Dec; 92(1):782.

Application: Enzyme