

Bioactive

Ribonuclease B

Catalog # P5304 Size 100 mg

Specification

Product Description	A partially purified preparation containing a mixture of RNase A and RNase B. A soluble, dialyzed lyophilized powder.
Biological function	Pancreatic ribonuclease (RNase) is an endoribonuclease. There are two forms, RNase A and RNase B, RNase B is the glycosylated form of RNase A.
Host	Bovine
Theoretical MW (kDa)	14.7
Form	Lyophilized
Preparation Method	Native protein purified from Bovine Pancreas
Activity	$\geq 1,000$ 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.
Recommend Usage	Ribonuclease Assay; RNA removal during DNA isolation; RNA sequence analysis; RNase protection assays; RNA quantification or mapping.
Storage Instruction	Store at 4°C.

Applications

- Enzyme Activity

Gene Info — RNASE1

Entrez GeneID	282340
Protein Accession#	P61823

Gene Name	RNASE1
Gene Alias	RNS1
Gene Description	ribonuclease
Gene Ontology	Hyperlink
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