

RNase A (RPA Grade)

Store at -20°C.

Do not store in a frost-free freezer.

Catalog #:	AM2272
Source:	Manufactured from Bovine pancreas by a USDA approved source.
Amount:	1 mg
Concentration:	1 mg/mL
Unit Definition:	One unit is the amount of RNase A required to give an increase of 0.0146 A ₂₈₆ units per min in a 1 mL volume at room temperature and is equivalent to 0.1177 Kunitz Units. Assay Conditions: 100 mM Tris-acetate (pH 6.5), 1 mM EDTA, and 1 mM cyclic 2', 3'-CMP.
Storage Conditions:	Store at -20°C. <i>Do not store in a frost-free freezer.</i>
Storage Buffer:	(Not included) 10 mM HEPES (pH 7.2), 20 mM NaCl, 0.1% Triton X-100, 1 mM EDTA (pH 8.0) and 50% glycerol (v/v).

USER INFORMATION

Product Description:	Ribonuclease A is a ribonuclease that specifically cleaves 3' of U and C residues. RPA Grade RNase A is intended for those who desire to use RNase A alone in ribonuclease protection assays instead of the usual mixture of RNases A and T1. It has been boiled to remove contaminating DNases and other nonspecific nuclease activities.
Reference:	Crook EM, Mathias AP, and Rabin BR. (1960) Spectrophotometric assay of bovine pancreatic ribonuclease by the use of cytidine 2':3'-phosphate. <i>Biochem J.</i> 74 :234-238.

QUALITY CONTROL

RNase A (RPA Grade) is rigorously tested for contaminating nonspecific endonuclease, exonuclease, and protease activity. Functionality is determined in a standard RPA III™ (Cat #AM1414) reaction.

OTHER INFORMATION

Material Safety Data Sheets:	Material Safety Data Sheets (MSDSs) can be printed or downloaded from product-specific links on our website at the following address: www.ambion.com/techlib/msds . Alternatively, e-mail your request to MSDS_Inquiry_CCRM@appliedbiosystems.com . Specify the catalog or part number(s) of the product(s), and we will e-mail the associated MSDSs unless you specify a preference for fax delivery. For customers without access to the internet or fax, our technical service department can fulfill MSDS requests placed by telephone or postal mail. (Requests for postal delivery require 1–2 weeks for processing.)
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