



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

NATIVE BOVINE RIBONUCLEASE A

Catalog No.
DS-01-0391

Source
Bovine pancreas

Description

This product 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 is 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. Its molecular weight is 13.7 kDa, and activity is 85-140 U/mg protein.

Physical Appearance

Lyophilized powder.

Formulation

This product is lyophilized powder, if reconstitution, use sterile distilled water or a physiological buffer of choice.

Purity

Greater than 85% by SDS PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Table Summary of protein applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			
Western Blotting			•	
Function Assay	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Storage

Store at -20°C only. Shelf life is 6 months from date of reconstitution.

Storage in frost-free freezers is not recommended. This product should be stored undiluted.

Avoid repeated freezing and thawing.

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