

## Recombinant Bovine Ribonuclease A (RNASE1), N-His

Cat. No.: AP7F112

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Bovine Ribonuclease A (RNASE1), N-His is a recombinant protein expressed from *E.coli* expression system. Its predicted molecular weight is 17.1 kDa. The purity is greater than 95% (SDS-PAGE). The endotoxin level is <1 EU/µg (LAL). It can be used as a positive control or as an immunogen.

### Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	<1 EU/µg (LAL)
Predicted Molecular Weight	17.1 kDa
Molecular Weight	18 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

### Target Information

Ribonuclease A (RNase A), often abbreviated as RNase, is an endoribonuclease enzyme that specifically cleaves single-stranded RNA molecules. It plays a vital role in various cellular processes. RNase A breaks down single-stranded RNA molecules into smaller fragments, facilitating their recycling and removal within the cell. Ribonuclease A is a pancreatic ribonuclease that can cut single-stranded RNA. RNASE1 may be involved in the maturation of the gastrointestinal tract of cattles.

Protein	Bovine Ribonuclease A (RNASE1)
Protein Synonym	RNASE1; RNASE; Rnase-A; RNase Up1-1; RIB-1; Ribonuclease;RNase A Family;1(Pancreatic);Ribonuclease A
Gene ID	<a href="#">282340</a>
UniProt ID	<a href="#">P61823</a>

## Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store for 4 weeks at 2-8°C, for 12 months at -80°C.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH 7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

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## Reference

Zhang, L. *et al.* Bovine milk proteome in the first 9 days: protein interactions in maturation of the immune and digestive system of the newborn. *PLoS one*. 2015, 10: e0116710.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.