Features

- Performs under a wide range reaction condition.
- Protects RNA from degradation at temperature up to 55°C.
- Increase the time RNA can safely store.

Assay Conditions

100mM Tris-HCL (PH 7.5), 1.2mM EDTA, 0.1mg/ml BSA, 100ng/ml RNase, 0.1mg/ml E. coli[3H] -RNA, 50mg/ml yeast RNA and 8mM DTT.

Inactivation

DTT at final concentration of 5mM.

Unit Definition

1u is defined as the amount of ribonuclease inhibitor that inhibits the activity of 5ng Ribonuclease A by 50%.

Application

- Applied in procedures where RNase contamination constitutes a problem:

- In vitro transcription
- In vitro translation
- cDNA synthesis
- isolation of mammalian cell fractions that contain mRNA-protein complex.
- Separation and identification of specific ribonuclease activities.

Storage Buffer

20mM HEPES-KOH (pH 7.6), 50mM KCl, 5mM DTT, and 50% glycerol.

Quality Control

The absence of endo-deoxyribonucleases, exo-deoxyribonucleases, phosphatase and ribonucleases confirmed by appropriate quality tests. Functionally tested in RNA and cDNA synthesis.

شکایات مشتری

SinaClon
شرکت سیناکلون BioScience

نظرسنجی از مشتری

Unit 9, Rouyesh building, Science and Technology Park, Tarbiat Modares University, Pajouhesh Blvd., Tehran, Iran

+982191082111

hi@sinaclon.com

www.sinaclon.com

SinaClon
شرکت سیناکلون BioScience

Ribonuclease Inhibitor

(RNase Free)

REF **MO5441** **Concentration: 40u/µl**

Wet or Dry Ice RUO -20

Components (supplied)

Contents of the kit	Amounts
Ribonuclease Inhibitor	2500u

Description

Ribonuclease Inhibitor RNase- Free inhibits the activity of RNase A, B, C by binding them in a noncompetitive mode at a 1:1 ratio. It does not inhibit RNase 1, T1, T2, H, U1, U2, CL3 and other enzymes.