

## RNasin

Cat. no. GDP418

Storage: Store at -30~-15°C.

Product Size

RNasin	30 $\mu$ l (40 U/ $\mu$ l)
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### Introduction

RNasin is a broad spectrum ribonuclease inhibitor expressed by recombinant *E.coli*. It is essentially a protein with molecular weight of 50 kDa and used very generally in molecular biology experiments such as RT-PCR, protecting mRNA in cDNA synthesis. *In vitro* transcription and *in vitro* translation, preparing RNase-Free antibody, in situ hybridization, mRNA positioning, etc. It is a useful reagent in any application against potential RNase.

### Features

- RNasin efficiently inhibits the activity of eukaryotic RNaseA, RNaseB, RNaseC and human placenta RNase.
- RNasin is compatible with enzymes including RNase H, nuclease S1, RNA polymerase SP6, T7, T3, reverse transcriptase AMV or M-MLV, *Taq* DNA polymerase, RNase T1. It has no influence upon the transcription and translation processes.
- RNasin has wide pH activity ranges. (1 mM DTT in the buffer system is needed.)

### Application

1. where there is potential RNase contamination.
2. to protect mRNA in cDNA synthesis, *in vitro* transcription and *in vitro* translation.
3. can increase the activity and yield of multiple ribosomes and be beneficial to the replication of virus *in vitro*.
4. to prepare protein products without RNase such as antibody.

### Protocol

Add the RNasin to the samples to a final concentration of 5 U/ $\mu$ l or optimized the amount for individual experiment.