

Cat. No.
EA41000 **1000 Units**
EA42000 **2000 Units**

Shipping: On Dry/Blue Ice
Store at -20°C

Features

- Complete inhibition of RNase A, B and C
- DNase/RNase and Nickase-free
- No inhibition of polymerase/transcriptase activity
- Stable over a wide range of pH, DTT concentrations and temperatures

Applications

- RNA purification
- cDNA preparation by reverse transcription
- *in vitro* RNA transcription
- *in vitro* protein synthesis

Description

Ribonuclease Inhibitor (RNase Inhibitor) is a recombinant protein which inhibits different RNases (A, B, C) by binding non-covalently in a 1:1 ratio. With an association constant of 10^{14} M, RNase Inhibitor is useful in any applications where the presence of RNases is a potential problem. RNase Inhibitor is tested for activity, SDS-PAGE purity, and the absence of endonucleases, nickases and exonucleases.

Source

E. coli strain carrying the gene of RNase Inhibitor.
RNase A is not involved in the purification process.

Typical Reaction Conditions

RNase Inhibitor must be used at a final concentration of between 10~40u in a 25ul reaction mix (This is dependent on the RNase contamination in the sample.) For optimal RNase inhibition, a final concentration of 1mM DTT is required.

Product Insert

RNase Inhibitor

Product Specifications

Batch details

Batch No: see vial
Units per vial: see vial
Concentration: 40u/ul

Storage Conditions

RiboSafe RNase Inhibitor can be stored for 6 months at -20°C. Avoid multiple freeze/thaw cycles.

Shipping Conditions

On Blue Ice

Quality Control Tests

Activity, SDS-PAGE purity, absence of endonucleases, nickases and exonucleases.

Unit Definition : One unit inhibits 5ng of RNase by 50%

Storage Buffer: 20mM HEPES-KOH (pH 7.6). 50mM KCl, 8mM DTT, 0.1mM EDTA, 50% glycerol and stabilizer.

Note

1. This product insert is a declaration of analysis at the time of manufacture.
2. Research Use Only.

Technical Support

If the troubleshooting guide does not solve the difficulty you are experiencing, please contact Technical Support with details of reaction setup, cycling conditions and relevant date.

Address : Woolim Lions Valley A-606B, 168, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea 08507
E.mail: info@philekorea.co.kr
Website : www.philekorea.co.kr
Tel. +82 2 2105 7020 +82 42 862 9636
Fax. +82 2 2105 7025 +82 42 862 9638