

RNase Inhibitor

Date: 2017.10

Version 1_01

Cat. No. : PT-RI01 **Size :** 2000 U (50 μ L)

Store: -20 °C

Description:

RNase Inhibitor is an approximately 50 kDa recombinant protein which is purified from a *E. coli* strain expressing a cloned porcine RNase Inhibitor Gene. This inhibitor could effectively inhibit RNase A, RNase B, RNase C. The RNase Inhibitor could be used in RT-PCR, cDNA synthesis, *In vitro* transcription/translation or other assays which need integral RNA.

Unit Definition: One unit of RNase Inhibitor results in the amount needed to inhibit 50% activity of 5ng of RNase A, which is measured by the hydrolysis of cytidine 2, 3'-cyclic monophosphate.

The suggested working concentration of RNase Inhibitor :

Application	Final concentration
cDNA synthesis	0.5 U/ μ L
<i>In vitro</i> transcription using T7 or SP6 RNA polymerase	1 U/ μ L
<i>In vitro</i> translation	
<i>In vitro</i> transcription	20 U/ μ L

Storage Buffer:

50 mM KCl, 20 mM HEPES-KOH, 8 mM DTT, and 50% glycerol. pH7.5 @25 °C.

For Research Using Only

Please do not hesitate to contact us if you have any questions.

Manufactured for and distributed by Protech Technology Enterprise Co., Ltd.

TEL: +886-2-2655-7677 / FAX: +886-2-2655-7601 / Toll Free: 0800-231-530

E-MAIL: service@bio-protech.com.tw; tech@bio-protech.com.tw

WEB: <http://www.bio-protech.com.tw>