RNase Inhibitor

RNIN-001-2K5

Description

RNase Inhibitor is a recombinant protein which specifically inhibits ribonucleases A, B and C. The protein inhibits RNases by binding noncovalently in a 1:1 ratio with a potent affinity (ki >10^{-14} M). RNAse inhibitor protein is purified from *E.coli* strain harboring a plasmid with cloned gene coding of mammalian RNase inhibitor.

Applications

Inhibition of RNA degradation in a variety of molecular biology applications:

- ✓ cDNA synthesis
- ✓ RT-PCR
- ✓ *In vitro* transcription/translation systems
- ✓ Isolation and storage of RNA
- ✓ *In vitro* RNA synthesis

Content and Storage

500 µl of RNase inhibitor 20 U/µl (10.000 U). 1 U of RNAse inhibitor is defined as an amount of enzyme that blocks activity of 5 ng of RNase A in 50%. It is recommended to use RNAse inhibitor at final concentration of 1 U/µl in reaction mixture.

Store at -20°C.

Product use limitation

This product is developed, designed and sold exclusively for research purposes and use only. The product is not intended for diagnostics or drug development, nor is it suitable for administration to humans or animals.