TargetEx RibonEx RNase Inhibitor 40 U/µL

Catalogue Number: TGX-023, TGX-039

INTRODUCTION

TargetEx RibonEx RNase Inhibitor is a recombinant human placental protein expressed in High Five™ insect cells, resulting bacterium-free and endotoxin-free production with better folding properties. It is designed to protect RNA samples from degradation by RNases A, B, and C without the inhibition of Taq DNA polymerases, Bst DNA polymerases, or MMLV reverse transcriptases. Engineered to be stable up to 65 °C for 30 min. 50 kDa, 461 amino acids, native N- and C-terminus (tag free production).

RECOMMENDED USAGE

- RNA isolation and purification
- cDNA synthesis
- RNA sequencing and amplification
- PCR, qPCR applications - RNA protection before reverse transcription
- Inhibition of RNases during in vitro transcription or translation experiments
- Preservation of RNA integrity

The **optimal concentration** of RibonEx RNase Inhibitor depends on the level of RNase contamination.

For a **standard reverse transcription reaction** use 1 µL of RibonEx RNase Inhibitor in a final 20 µL sample volume.

For **optimal activity** 1 mM DTT is essential.

Full activity is maintained on up to 65 °C for 30 minutes.

This product is available at 40 U/µL concentration and different packaging sizes with **buffer options** containing **NaCl** (TGX-023) or **KCl** (TGX-039).

If you have any questions or need further information, please feel free to contact us at **info@targetex.com**!