RibonEx

RNase Inhibitor

Storage conditions: Store at -20 °C

Storage buffer: 20 mM HEPES-NaOH (pH 7.5), 50 mM NaCl, 8 mM DTT, 50 % Glycerol

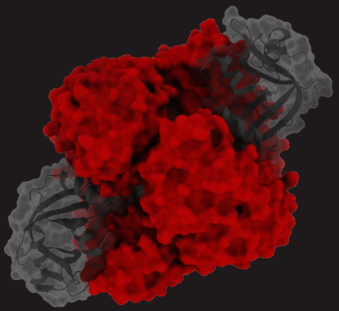
Expiry date: Information on the label

For Research Use Only.

Targetex BIOSCIENCES

RibonEx

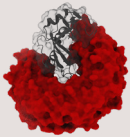
RNase Inhibitor



Catalog: TGX#1010 01

Qty: 2500 Units

Concentration: 40 U/µl



RibonEx

RNase Inhibitor

Features Expressed in High Five™ insect cells, resulting in bacterium-free production • 50 kDa, 461 amino acids, native N- and C-terminus (Tag free production) • Inhibits RNase A, B, and C • Does not inhibit: Taq DNA polymerase, Bst DNA polymerase, MMLV reverse transcriptase

Analytics High purity (>95%, SDS-PAGE) • No detectable RNase/DNAse activity • ISO 9001:2015 certified 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

Specification Concentration: 40 U/µl • Buffer: 20 mM HEPES (pH 7,5), 50 mM NaCl, 8mM DTT, 50 % glycerol • Quantity: 2500 U

USAGE:

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 up to **65 °C for 30 minutes**.

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