

Rons RNase BeGone - Human RNase Inhibitor

Description: Rons RNase BeGone – Human RNase Inhibitor is a modified recombinant human placenta protein inhibiting endogenous or environmental RNases. The Human RNase Inhibitor has a molecular weight of 50 kDa and is recombinantly expressed in *E.coli*. Rons RNase BeGone – Human RNase Inhibitor inhibits eukaryotic RNases, e.g. RNase A, B, C. Rons RNase BeGone – Human RNase Inhibitor does not interfere with the following enzymes commonly used in molecular biology: Taq DNA Polymerase; the reverse transcriptases M-MLV and AMV; the RNA polymerases SP6, T7 and T3; nuclease S1; and ribonuclease T1.

Concentration: 40 U/μl

Storage: -18 °C to - 25°C

REF	105530	105540	colour
Rons RNase BeGone - Human RNase Inhibitor	2500 units	10000 units	blue

Application: Rons RNase BeGone – Human RNase Inhibitor is suitable for all applications requiring protection of the RNA integrity from endogenous or environmental RNases. Applications are: cDNA synthesis, one-step RT-PCR, one-step RT-qPCR, direct RT-PCR, RNA purification, RNA structural and functional studies.

Unit definition: One unit is defined as the amount of Rons RNase BeGone – Human RNase Inhibitor required to inhibit the activity of 5 ng of RNase A by 50 %.



- The recommended concentration of Rons RNase BeGone – Human RNase Inhibitor is 0.5 unit per μl of reaction.
- While the inhibitor does not require DTT for activity and is compatible with DTT-free assay protocols, the addition of 1 mM DTT to the assay buffer is recommended for optimal stability.
- Rons RNase BeGone – Human RNase Inhibitor is
 - stable at temperatures up to 60 °C
 - stable at room temperature for up to 8 weeks
 - highly resistant to oxidation
- We offer glycerol-free and customized variants as well as bulk quantities upon request, please contact us for further inquiries.

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