

Protect your RNA and maximize stability with RNase inhibitor

ScriptGuard™ RNase Inhibitor

Product Intro

ScriptGuard™ RNase Inhibitor prevents RNA degradation by eukaryotic RNases A, B, and C. The inhibitor can be used as a safeguard against RNA degradation in any RNA-containing reaction, making it ideal for applications like cDNA synthesis, *in vitro* transcription and translation reactions.

Benefits

- **Prevents RNA degradation:** Inhibits eukaryotic RNases A, B, and C.
- **High affinity binding:** Potent affinity for RNases with a 1:1 binding ratio for rapid inhibition.
- **Compatibility:** Does not interfere with most commonly used enzymes.

Product Description

[ScriptGuard™ RNase Inhibitor](#) prevents the degradation of RNA by eukaryotic RNase A, RNase B and RNase C, but it does not inhibit RNase 1, RNase H, RNase T1, RNase T2 or S1 Nuclease. A potent affinity for RNases ($K_i \sim 10^{-14}$) and a 1:1 binding ratio ensure rapid inhibition even when trace amounts of RNase are present. ScriptGuard™ RNase Inhibitor is free of detectable RNase and DNase activities and mammalian DNA. Because it does not interfere with most commonly used enzymes, it can be used in a wide variety of applications, including cDNA synthesis, *in vitro* transcription and translation reactions.

Product Performance

It is recommended to use ScriptGuard™ RNase Inhibitor at a final reaction concentration of 1 U/μl in any reaction where RNA integrity is a concern. Examples include *in vitro* transcription, RNA 5'-capping, RNA 3'-poly(A) tailing and *in vitro* translation reactions, among others.

Ordering information

Catalog Number	Description
C-SRI6310K	ScriptGuard™ RNase Inhibitor (10,000 units)

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