

PRODUCT INFORMATION

Murine RNase Inhibitor

v. 240201

Catalog number	C15049-4KU / C15049-20KU
Package	4 KU / 20 KU
Description	Murine RNase Inhibitor effectively inhibits various RNases (RNase A, B, C). Its superior antioxidant activity, due to the absence of two oxidation-sensitive cysteine residues found in human inhibitors, makes it ideal for DTT-sensitive experiments like qPCR. Additionally, it is free from DNase, RNase, and Nickase contaminants, ensuring RNA sample integrity.
Expression System	Escherichia coli
Concentration	40 U/ μ L
Purity	>95% as determined by SDS-PAGE analysis.
Form	Liquid.
Storage Buffer	20 mM HEPES-KOH, 50 mM KCl, 8 mM DTT, 50% glycerol, pH 7.6.
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none">• 2-8°C for 2 weeks under sterile conditions from date of receipt.• -20°C or -80°C for 12 months under sterile conditions from date of receipt. <p>Avoid repeated freeze/thaw cycles. Suggestion: Divide antibody into several vials. Keep only vials for usage at 2-8°C.</p>
Unit Definition	One unit is defined as the amount of Murine RNase Inhibitor required to inhibit the activity of 5 ng of RNase A by 50%. Activity is measured by the inhibition of hydrolysis of cytidine 2', 3'-cyclic monophosphate by RNase A.

For Research Use Only.