Creative Enzymes
Diagnostic Enzymes

Recombinant RNase Inhibitor (Porcine)

Product Information

Cat#	DIA-479
Source	E. coli
Description	Recombinant RNase Inhibitor (Porcine) is a porcine-derived RNase inhibitor expressed in E. coli and purified via affinity chromatography. Its characteristics are comparable to RNase inhibitors derived from porcine liver or human placenta, making it a full substitute for naturally extracted RNase inhibitors. This inhibitor forms a 1:1 complex with RNase A, effectively suppressing RNase activity. The inhibition is reversible: treatment with urea or thiol reagents can dissociate the complex, allowing RNase to refold without irreversible inactivation. Unlike other competitive inhibitors, it can be easily removed from the reaction mixture via phenol extraction, and can be directly added to RT-qPCR reaction systems. Manufactured under ISO13485 quality management standards, this product is optimized for use as a raw material in molecular diagnostic kits based on RT-qPCR technology.
Product Overview	**Product Features:** Strong Inhibitory Activity: Effectively suppresses up to 40 ng of RNase A per reaction, preventing false negatives caused by RNA template degradation High System Compatibility: Fully compatible with a variety of RT-qPCR systems, including those based on Taq or Tth DNA polymerases Excellent Batch-to-Batch Stability: Manufactured under ISO13485 quality management standards, ensuring consistent performance and suitability as a raw material for molecular diagnostics
Package	1mL, 40KU/100mL, 4MU

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