

Product Datasheet

Vazyme - Murine RNase Inhibitor (R301-03)

Catalog Number	R301-03
Category	Tools
Description	Murine RNase Inhibitor is a recombinant mouse-derived RNase inhibitor expressed and purified in E. coli . It can bind to RNase A, B or C in a non-competitive manner 1:1, thereby inhibiting the activities of the three enzymes and protecting RNA from degradation. Murine RNase Inhibitor is a thermostable-based RNase inhibitor that exhibits inhibitory activity even with thermostable reverse transcriptases such as HiScript Reverse Transcriptase and HiScript II Reverse Transcriptase. It is compatible with various commercial Reverse Transcriptases and DNA Polymerases. Compared with human RNase inhibitor, murine RNase inhibitor does not contain two cysteines that are very sensitive to oxidation in human protein, so it has higher antioxidant activity and is more suitable for experiments sensitive to high DTT (such as qPCR).
Application notes	The enhanced antioxidant capacity means that Vazyme #R301 does not form the disulfide bonds that human proteins produce under oxidative conditions. High purity soluble protein expression from E. coli, no RNase residue, compatible with RT-PCR/RT-qPCR systems.
Usage Notes	Restricted to UK and Ireland's customers ONLY
Storage	Store at -30 ~ -15°C and transport at ≤0°C.
Background	Only available for the UK and Republic of Ireland
Note	For research use only
Expiration Date	12 months from date of receipt.

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