

Product Datasheet

RNase Inhibitor - recombinant (orb638832)

Description	RNase inhibitor is a recombinant protein which completely inhibits a broad spectrum of eukaryotic RNases, including RNase A, B and C. It inhibits RNases by binding noncovalently in a 1:1 ratio with high affinity (4×10^{-14} M). It does not inhibit the RNases I, T1, T2, H, U1, U2 and C13. In addition, RNase inhibitor shows no inhibition of polymerase or reverse transcriptase activity and so can be used for cDNA synthesis and in one-step RT-PCR reactions. The murine version of RNase inhibitor lacks the pair of cysteines identified in human version, therefore it has significantly improved resistance to oxidation.
Form/Appearance	liquid
Concentration	40 units/ μ l
Storage	store at -20 °C
Note	For research use only
Application notes	RNase inhibitor should be applied in a working concentration of 40 units (1 μ l) per 50 μ l reaction volume. The application of RNase in-hibitor is recommended for: cDNA synthesis/RT-PCR; In vitro transcription/translation; RNA purification; RNA protection assays; Separation and identification of specific ribonuclease activities; Other applications where the integrity of RNA is essential.
Clonality	Recombinant
Expiration Date	12 months from date of receipt.

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