

Product Datasheet

RNase Inhibitor - recombinant (orb638832)

Catalog Number	orb638832
Category	Proteins
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 ($4 \times 10^{-14} M$). It does not inhibit the RNases I, T1, T2, H, U1, U2 and Cl3. 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
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 inhibitor 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.
Storage	store at -20 °C
Note	For research use only

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