

Product Datasheet

Vazyme - Murine RNase Inhibitor (R301-01)

Catalog Number R301-01

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).

Storage Store at -30 ~ -15°C and transport at ≤0°C.

Note For research use only

Application notes The enhanced antioxidant capacity means that Biorbyt #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.

Expiration Date 12 months from date of receipt.



Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+441223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)