



Genemed Synthesis, Inc.
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Product Specifications

Product name: RNase inhibitor

Cat#: J-300-1

Size: 10,000U

Concentration: 10,000U @ 40U/ul

Stability and Storage: Store at -20°C under sterile conditions for 6 months. Avoid repeated freezing and thawing.

Storage buffer: 20mM HEPES-KOH (pH 7.6), 50mM KCl, 8mM DTT, 0.1mM EDTA, 50% glycerol and stabilizer

Description: Ribonuclease inhibitor is a recombinant protein which inhibits different RNases (A, B, C) by binding non-covalently in a 1:1 ratio. With an association constant of 10^{14} M, RNase inhibitor is useful in any application where the presence of RNases is a potential problem. RNase inhibitor is tested for activity, SDS-PAGE purity, and the absence of endonucleases, nickases, and exonucleases.

Typical reaction conditions: RNase inhibitor must be used at a final concentration of 10-40 U in a 25ul reaction mix (this is dependent on the RNase contamination in the sample). For an optimal concentration RNase inhibition, a final concentration of 1mM DTT is required.

This product is for in-vitro research use only, not for diagnostic or therapeutic use

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