

RNase H (5U/μl)

Catalog # RNH-E5113



BIOSYSTEMS
Acro

Product Details

RNase H is an endoribonuclease that can specifically hydrolyze RNA in DNA-RNA hybrid chains. RNase H cannot digest single-stranded or double-stranded DNA or RNA.

Application

Removal of mRNA during second-strand cDNA synthesis. Removal of poly(A) sequences from mRNA in the presence of oligo(dT).
Oligodeoxyribonucleotide-directed cleavage of RNA.

Unit Definition

One unit is defined as the amount of enzyme required to produce 1 nmol of ribonucleotides from 40 pmol of a fluorescently labeled 25 base pair RNA:DNA hybrid in a total reaction volume of 50 μl in 20 minutes at 37°C.

Purity

>90% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 μm filtered solution in 10 mM Tris, 0.1 mM EDTA, 1 mM DTT, 0.2% BSA, pH7.4 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping and Storage

This product is supplied and shipped on dry ice.

This product is stable after storage at:

- The product MUST be stored at -20°C or lower upon receipt.
- -20°C for 6 months under sterile conditions.

Bioactivity

One unit is defined as the amount of enzyme required to produce 1 nmol of ribonucleotides from 40 pmol of a fluorescently labeled 25 base pair RNA:DNA hybrid in a total reaction volume of 50 μl in 20 minutes at 37°C.

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