

Ribonuclease H

Cat. Nos.
18021-071

Size:
120 units

Conc. 2 U/μl

Store at -20°C (not frost-free)

Description

Ribonuclease H (RNase H) is an endoribonuclease which specifically degrades the RNA strand of an RNA-DNA hybrid to produce 5' phosphate-terminated oligoribonucleotides and single-stranded DNA. It is suitable for removing mRNA during second strand cDNA synthesis, removing the poly(A) sequences from mRNA in the presence of oligo(dT), and for oligodeoxyribonucleotide-directed cleavage of RNA. RNase H is purified from *E. coli* expressing the *E. coli* RNase H gene on a plasmid.

Unit Definition

One unit is defined as the amount of RNase H that solubilizes 1 nmol poly(A) in 20 minutes at +37°C

Storage Buffer

20 mM Tris-HCl (pH 7.5)
100 mM KCl
10 mM MgCl₂
0.1 mM EDTA
0.1 mM DTT
50 μg/ml BSA
50% (v/v) glycerol

Quality Control

Product qualification is described in the Certificate of Analysis (CofA), available on our website by product lot number at www.invitrogen.com/cofa.

©2001–2007 Invitrogen Corporation. All rights reserved.

For research use only. Not intended for any animal or human therapeutic or diagnostic use.

Part no. 18021071.pps

Rev. date: 25 May 2007