Active Recombinant E. coli RNase H

Cat. No. rnh-63E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A recombinant?E. coli?strain carrying the RNAse H (rnh) gene from?E.coli.
Species	E.coli
Source	E.coli
Description	E.coli?RNase H (rnh) is an endoribonuclease which degrades the RNA strand of RNA/DNA hybrid molecules. RNase H digestion produces ribonucleotide molecules with 5-phosphate and 3-hydroxyl termini. RNAse H is nearly inactive against single or double-stranded RNA molecules.
Bio-activity	625,000 U/mg
Purity	>99% by SDS-PAGE
Unit Definition	1 unit is defined as the amount of enzyme that will hydrolyze 1 nmol of RNA from an 3H-labeled DNA:RNA hybrid molecule into acid-soluble material in 20 minutes at 37°C.
Storage	-25 to -15°C
Concentration	5,000 U/ml
Storage Buffer	Supplied in: 20 mM Tris-HCl, 100 mM KCl, 10 mM MgCl2, 0.1 mM EDTA, 0.1 mM DTT, 50% glycerol, pH 7.9 @ 25°C Supplied with: 10X RNAse H Buffer: 500mM Tris-

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	HCl, 750 mM KCl, 30 mM MgCl2, 100 mM DTT, pH 8.3 @ 25?C.

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