Canvax Reagents, S.L.U.
Luis de Mercado Street, 19
Boecillo Technological Park
47151, Boecillo
Valladolid, Spain.

Tlf: +34 983 54 85 63
info@canvaxbiotech.com

www.canvaxbiotech.com

DATA SHEET

Version: 2
Revision date: 24/03/2023

1. Identification

Product name **RNase A**
DNase-free, proteinase-free

Cat. No EZ0002

2. Description

DNase I, RNase free recombinant, is an endonuclease that cleaves DNA preferentially at phosphodiester linkages adjacent to a pyrimidine nucleotide, to release di-, tri-, and oligonucleotide products (on average producing tetranucleotides) with 5'-phosphorylated and 3'-hydroxylated ends. DNase I acts on single-stranded DNA, double-stranded DNA, RNA-DNA hybrids, and chromatin. DNase I requires bivalent cations (Mg^{2+} and Ca^{2+}) for maximal activity.

3. Composition

Item	Concentration	Quantity
RNase A Solution	10 mg/ml (>5,000 U worthinton/mg)	1 mL

4. Quality Control

- Functionally tested for RNA degradation in a plasmid DNA Purification protocol.
- RNase A is free of contaminating exo- and endodeoxyribonuclease activitiescontaminant exo- and endodeoxyribonuclease activities.

5. Storage specifications

RNase A solutions retain enzymatic activity at room temperature or 2-8 °C for extended periods. However store at –20 °C in a freezer without a defrost cycle is recommended. Avoid freeze/thaw cycles.

6. Applications

- RNA removal during DNA isolation
- RNA sequence anális
- RNase protection assays
- RNA quantification or mapping
- Purifying plasmid DNA
- Genomic DNA isolation
- Molecular weight marker

7. Further information

Product Use Limitations This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

Disclaimer The information provided in this Data Sheet is correct to the best of our knowledge and belief at the date of publication. This information is intended only as a guide and should not be taken as a warranty or quality specification. Canvax Reagents S.L.U. shall not be held liable for any damage resulting from handling or from contact with the above product.

Canvax Reagents, S.L.U.
Luis de Mercado Street, 19
Boecillo Technological Park
47151, Boecillo
Valladolid, Spain.

Tlf: +34 983 54 85 63
info@canvaxbiotech.com

www.canvaxbiotech.com

8. Reaction Conditions

The recommended working solution is 1-100 µg/ml (depending on the application). For the removal of RNA during preparation of plasmid DNA, a final concentration of 10 µg/ml is adequate. The RNase A digestion reaction is incubated for about 10 – 30 min at room temp or 37˚C.