

## DNase I (Molecular Grade)

**ALTERNATIVE NAMES:** Recombinant DNase I, Deoxyribonuclease I, Pancreatic DNase, Endodeoxyribonuclease I, Thymonuclease, Recombinant DNase

**CATALOG NO.:** M1230-2500 U  
M1230-10,000 U

**SIZES:** Each 2500 U vial contains 0.5 mg glycine, 0.5  $\mu$ moles calcium, and  $\geq$  2500 U of DNase I. Each 10,000 U vial contains 2 mg glycine, 2  $\mu$ moles calcium, and  $\geq$  10,000 U of DNase I. Dissolving the entire 10,000 U vial in 5 ml, or the entire 2500 U vial in 1.25 ml, provides the equivalent of a 1 mg/ml solution.

**AMOUNT:**  $\geq$  2500 U (units per mg dry weight)

**FORM:** Lyophilized

**SOURCE:** Purified from Bovine Pancreas

**RIBONUCLEASE & PROTEASE ACTIVITY:** Not detectable

**DESCRIPTION:** BioVision offers Recombinant, Deoxyribonuclease I (DNase I) from bovine pancreas devoid of animal based components especially designed for Molecular Biology applications. It contains no detectable levels of ribonuclease and protease activity. They are suitable for use in techniques requiring digestion of DNA in the recovery of intact RNA or where the integrity of structural proteins or enzymes must be maintained

**APPLICATIONS:**

1. Removing genomic DNA from RNA preps prior to RTPCR
2. Degradation of DNA templates after transcription reactions
3. Removing DNA from samples prior to Northern blotting
4. Removing DNA during biopharma & bioprocessing procedures

**STORAGE CONDITIONS:** Store at 2-8°C. PROTECT FROM MOISTURE. All components are stable for one year from the date of shipping when stored and handled properly.

### RELATED PRODUCTS:

- RNase A (Cat# M1227-25)
- RNase R (Cat# M1228-500)
- RNaseOFF ribonuclease Inhibitor (Cat# M1238-4000)
- DNase, *E.coli* DNA Ligase (Cat# M1217-100)
- Link-FAST™ 5 Minutes DNA Ligation Kit (Cat# K902-50)
- New T4 DNA Ligase (Cat# M1247-200)
- T4 DNA Ligase (5 u/ $\mu$ l) (Cat# 9101-250)
- T4 RNA Ligase 1 (ssRNA Ligase) (Cat# M1218-100)
- T4 RNA Ligase 2 (dsRNA Ligase) (Cat# M1219-100)
- T4 RNA Ligase 2 (Truncated) (Cat# M1220-100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**