

## **Benzonase Nuclease**

## Summary

Catalog No.	YXX06401
Alternative Names	Benzonase Nuclease, Endonuclease
Form	Liquid
Storage buffer	25 mM Tris pH 8.0, 100mM NaCI, 50% Glycerol.
Concentration	1000U/µL
Purity	>90% as determined by SDS-PAGE.
Target	Benzonase Nuclease/Endonuclease
Biological activity	37 °C, pH 8.0 reaction conditions, 2.625 mL reaction system, change the absorption value of $\triangle$ A260 to 1.0 in 30 minutes ( equivalent to the complete digestion of 37 µg salmon sperm DNA into an oligonucleotide). The amount of enzyme used is defined as an activity Unit ( U)
Endotoxin level	Please contact with the lab for this information.
Expression system	E.coli
Protein length	Benzonase Nuclease is cloned from Serratia marcescens and expressed in E.coli.
Nature	Recombinant
Predicted molecular weight	30.16 kDa
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles.Store at 2 to 8 °C for one week .Store at -20 to -80 °C for twelve months from the date of receipt.
Species	Serratia marcescens





Recombinant Proteins & Antibodies

Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.
Note	For research use only.

## Data Image



SDS PAGE for recombinant **Benzonase Nuclease** 

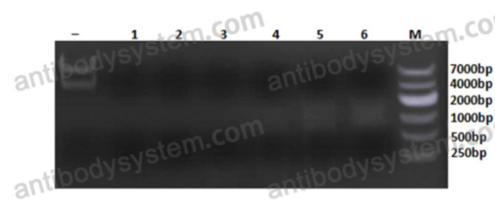






Lane-: Control, no enzyme

Recombinant Proteins & Antibodies



**Experiment Example** 

Lane1: 4 ng Benzonase Nuclease Lane2: 2 ng Benzonase Nuclease Lane3: 1 ng Benzonase Nuclease Lane4: 0.5 ng Benzonase Nuclease Lane5: 0.25 ng Benzonase Nuclease Lane6: 0.125 ng Benzonase Nuclease Lane7: DNA ladder 37 ug of herring sperm DNA was digested for 30 minutes at 37°C with the indicated amounts of Benzonase Nuclease



