

Benzonase Nuclease

Summary

Catalog No.	YXX06401
Alternative Names	Benzonase Nuclease, Endonuclease
Form	Liquid
Storage buffer	20mM Tris-HCl, pH8.0, 2mM MgCl ₂ , 20mM NaCl, 50% Glycerol.
Concentration	200U/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 ΔA_{260} 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 <i>Serratia marcescens</i> 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	<i>Serratia marcescens</i>

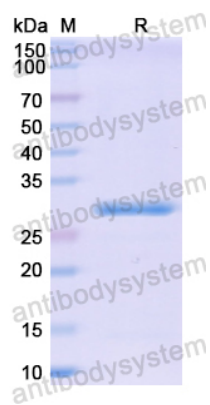
Shipping

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

SDS PAGE for recombinant
Benzonase Nuclease



Experiment Example

Lane -: Control, no enzyme

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