

Benzonase Nuclease

Summary

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|-----------------------------------|--|
| Catalog No. | YXX06401 |
| Alternative Names | Benzonase Nuclease, Endonuclease |
| Form | Liquid |
| Storage buffer | 25 mM Tris pH 8.0, 100mM NaCl, 50% Glycerol. |
| Concentration | 1000U/ μ L |
| 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 Δ A260 to 1.0 in 30 minutes (equivalent to the complete digestion of 37 μ g 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