

Active GMP Recombinant Serratia Nuclease

Cat. No. N-5633B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Serratia Nuclease was expressed in E. coli.
Species	Serratia
Source	E.coli
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 50 mM Tris-HCl, 30 mM NaCl, 2 mM MgSO ₄ , 2 mM DTT, 50% Glycerol, pH 8.0.
Bio-activity	Test by degradation of Salmon Sperm DNA, corresponding to a specific activity of > 1.1 × 10 ⁶ U/mg.
Molecular Mass	Approximately 26.8 kDa, a single non-glycosylated polypeptide chain containing 245 amino acids.
Endotoxin	Less than 0.25 EU/KU of BenzoNuclease GMP as determined by LAL method.
Purity	> 99% by SDS-PAGE analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the

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contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

SDS-PAGE

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