

Benzonase Nuclease Recombinant Protein

Recombinant Serratia Marcescens Benzonase Nuclease

CATALOG #
AAA38063

HOST
E Coli

PRODUCT SYNONYMS

Benzonase Nuclease; Recombinant Serratia Marcescens Benzonase Nuclease; Benzonase Nuclease Serratia Marcescens Recombinant; Welqut Protease Staphylococcus aureus Recombinant; Benzonase Nuclease recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Specificity	Unspecific (DNA, RNA) attacks all nucleic acids (single strand, double strand, circular, supercoiled) with no apparent sequence preference. Final reaction product: 5'-mono-phosphate terminated oligonucleotides (3-5 bases). Protease Activity: Not detectable
Purity/Purification	Greater than 99% as determined by SDS-PAGE.
Form/Format	Sterile Filtered colorless solution. The Benzonase Nuclease (250U/ul) solution contains 50% glycerol, 50 mM Tris-HCl pH 8.0, 20 mM NaCl and 2 mM MgCl ₂ .
Unit Definition	1U Benzonase Nuclease is defined as the amount of enzyme that causes a ΔA_{260} of 1 in 30 min, which corresponds to complete digestion of 37ug DNA. Standard reaction conditions are 1mg/ml sonicated DNA substrate in 50mM Tris-HCl pH 8.0, 0.1mg/ml BSA, 1mM MgCl ₂ , incubated at 37°C.
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Benzonase Nuclease recombinant protein	Description: Benzonase Nuclease Serratia Marcescens Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 245 amino acids and having a molecular mass of 30kDa with 2 essential disulfide bonds. Benzonase Nuclease is purified by proprietary chromatographic techniques.
Product Categories/Family for Benzonase Nuclease recombinant protein	ENZYMES

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/benzonase-nuclease-recombinant-protein-e-coli/38063>