

Benzonase Nuclease Enzyme | nucA enzyme

Benzonase Nuclease

CATALOG #
AAA11074

HOST
E Coli

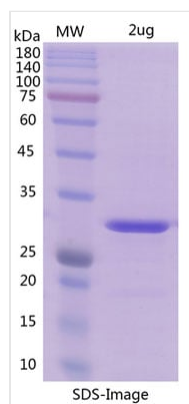
PRODUCT SYNONYMS

Benzonase Nuclease; nucA enzyme

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE quantitative densitometry by Coomassie Blue Staining
Form/Format	Liquid. 25mM Tris pH 8.0, 100mM NaCl, 50% Glycerol
Tag	C-terminal His
Enzyme Activity	>800U/ul
Unit Definition	37 degree C, pH8.0 reaction conditions, 2.625 mL reaction system, change the absorption value of deltaA260 to 1.0 in 30 minutes (equivalent to the complete digestion of 37ug salmon sperm DNA into an oligonucleotide). The amount of enzyme used is defined as an activity. Unit (U)
Standard Operating Procedure	1. Method a. Tissue sample processing method: After grinding 30-100mg of animal and plant tissues, add 100-200ul of lysate, and add 5-10ul of lysate at the same time. Benzonase Nuclease, mix well, incubate at room temperature or on ice for 30min, collect the lysate, centrifuge and take the supernatant for subsequent operations. b. Cell sample processing method: Collect suspended cells by centrifugation, resuspend the cells by adding 1ml RIPA lysate, and add 10-20ul of Benzonase Nuclease, mix well, incubate at room temperature or on ice for 30min, collect the lysate, centrifuge and take the supernatant for subsequent operations. Tip: Reattach adherent cells to PBS for post-treatment in the same way as suspended cells. c. Escherichia coli or other bacteria treatment methods: Collect the bacteria by centrifugation and lysate, and add 1-5ul of Benzonase per 1ml. Nuclease, mix well, incubate at room temperature for 30min, collect lysate, centrifuge and take the supernatant for subsequent operations.
Preparation and Storage	Store at -20°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for nucA enzyme	Total Enzyme
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	P13717
Molecular Weight	MW: 29.9kDa

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/e-coli-nuca-enzyme/benzonase-nuclease/11074>