

Benzonase, E. Coli recombinant protein
Endoribonuclease
Catalog # PBV11256r**Specification**

Benzonase, E. Coli recombinant protein - Product info

Primary Accession [P0A898](#)
Calculated MW ~ 30 kDa KDa

Benzonase, E. Coli recombinant protein - Additional Info

Gene ID	946430
Gene Symbol	YbeY
Other Names	
Endoribonuclease	
Gene Source	E Coli
Source	E. coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	HPLC;
Recombinant	Yes
Target/Specificity	
Benzonase	

Format
Liquid

Storage
-20°C; 250 U/ µl in 50% glycerol

Benzonase, E. Coli recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Benzonase, E. Coli recombinant protein - Images**Benzonase, E. Coli recombinant protein - Background**

Golden Nuclease is a recombinant form of Serratia marcescens extracellular endonuclease produced in Escherichia coli. Golden Nuclease is a homodimer with monomer molecular masses

about 30 kDa. Two disulfide bonds found in the nuclease are crucial to its activity and stability. The enzyme is a non-specific nuclease with high specific activity, which degrades both single- and double-stranded nucleic acids in any form (single stranded, double stranded, linear, circular and supercoiled). It hydrolyzes internal phosphodiester bonds present between the nucleotides to 5'-phosphorylated oligonucleotides of 3-8 bases in length.

Benzonase, E. Coli recombinant protein - References

Oshima T.,et al.DNA Res. 3:137-155(1996).
Chung E.,et al.Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases.
Blattner F.R.,et al.Science 277:1453-1462(1997).
Hayashi K.,et al.Mol. Syst. Biol. 2:E1-E5(2006).
Nonaka G.,et al.Genes Dev. 20:1776-1789(2006).