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BenzAlt™ Binuclease (Liquid)

BenzAltBinuclease, BenzAlt™ Binuclease, Binuclease, Benzonase alternative, endonuclease, Serratia ma

Catalog # PBV11511r

Specification

BenzAlt™ Binuclease (Liquid) - Product info

Calculated MW	**27.9 kDa KDa**

BenzAlt™ Binuclease (Liquid) - Additional Info

Other Names
Serratia marcescens binuclease; unrestricted endonuclea

Source	**Serratia marcescens gene**
Assay&Purity	**SDS PAGE;≥80%**
Recombinant	**Produced and purified from eukaryotic yeast cells**

Application Notes
20 mM Tris-Cl (pH 8.0), 2 mM MgCl2, 2 mM NaCl, 50% Glycerol

Format
Liquid

Storage
4°C;Liquid: clear colorless buffered aqueous glycerol solution

BenzAlt™ Binuclease (Liquid) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BenzAlt™ Binuclease (Liquid) - Images

BenzAlt™ Binuclease (Liquid) - Background

BenzAlt™ Binuclease is a genetically engineered non-specific endonuclease from Serratia marcescens gene. It is a perfect alternative for Benzonase (BenzAlt™) and is very cost effective. Functionally, this promiscuous nuclease digests all forms of DNA and RNA, including single stranded, double stranded, linear, circular and supercoiled DNA and RNA. The enzyme cleaves the phosphodiester bond of nucleic acids, producing 5’ monophosphate terminated oligonucleotides 2-5

bases in length. BenzAlt™ Binuclease is not a sequence dependent nuclease, capable of cleaving the phosphodiester bond at all positions among a nucleic acid chain. The enzyme is produced and purified from eukaryotic yeast cells, without contamination of endotoxin from prokaryotic cells and is highly stable even under harsh industrial conditions. It has no detectable proteinase or esterase activity. BenzAlt™ Binuclease is an ideal tool enzyme in protein purification and DNA/RNA contamination from purified proteins.