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32-6679: Benzonase Nuclease, 99%

Alternative Name :	Serratia marcescens secretes an endonuclease that has exceptionally high specific activity to the medium that surrounds it. The Benzonase Nuclease is mainly used for elimination of nucleic acid contamination from purified proteins, downstream processing, reduction of viscosity etc. Nucleic acid contaminants are caused by nuclease released to the medium. The DNA is being destroyed by the release of the S. marcescens nuclease and it acts as the killer gene for the auto destruction of microorganisms.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
Serratia marcescens secretes an endonuclease that has exceptionally high specific activity to the medium that surrounds it. The Benzonase Nuclease is mainly used for elimination of nucleic acid contamination from purified proteins, downstream processing, reduction of viscosity etc. Nucleic acid contaminants are caused by nuclease released to the medium. The DNA is being destroyed by the release of the S. marcescens nuclease and it acts as the killer gene for the auto destruction of microorganisms.
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 Info

Amount :	5000U / 20,000U
Purification :	Greater thanÂ 99.0%Â as determined by SDS-PAGE.
Content :	The Benzonase Nuclease solution contains 50% glycerol, 50 mM Tris-HCl pH 8.0, 20 mM NaCl and 2 mM MgCl2.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.