

Dszonase Endonuclease

Instruction for Use

Cat. No./Spec.: E1011-A/5 KU; E1011-B/25 KU

Concentration: ≥ 250 U/μL

Purity: ≥ 90% (SDS-PAGE)

Product Description

Dszonase Endonuclease is a non-specific endonuclease derived from Serratia Marcescens that fully digests all forms of DNA and RNA (single, double, linear and cyclic) 5'-monophosphate terminal oligonucleotides with a growth of 3 to 5 bases. Dszonase Endonuclease is a purified recombinant protein expressed in E. coli that does not have any proteolytic activity and is used for the removal of nucleic acids from recombinant proteins or other applications that require complete digestion of nucleic acids.

Storage Condition & Shelf Life

Store at -20°C. The product is valid for 2 years.

Unit Definition

At pH 8.0, 37 °C, one unit of enzyme can digest ultrasonic salmon sperm DNA into an acid-soluble oligonucleotide equivalent to 1.0ΔA₂₆₀ (2.625 ml reaction volume) in 30 minutes.

Scope of Application

- *Reduces the viscosity of the protein extract*
- *Sample preparation for 2D gel electrophoresis*
- *Remove nucleic acid contaminants from recombinant protein preparations*

This product is for research use only.