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Datasheet for ABIN7271658

Nuclease Protein

Overview

Quantity:	5000 kU
Target:	Nuclease
Origin:	Serratia marcescens
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	GENIUS™ Nuclease, premium grade
Sequence:	Met 1 - Asn 266
Characteristics:	GENIUS™ Pro Nuclease is a tag free recombinant form of Serratia marcescens extracellular endonuclease produced in Escherichia coli cells using a proprietary process at ACROBiosystems. GENIUS™ Pro Nuclease is a homodimer with monomer molecular masses about 30 kDa with an isoelectric point (pI) at pH 6.85. 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.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 0.01 EU per µg by the LAL method.

Target Details

Target:	Nuclease
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Target Details

Abstract: [Nuclease Products](#)

Background: Synonyms: GENIUS™ Nuclease, BenzNuclease, BenzoNuclease, benzonase, Nuclease, Description: NA

Application Details

Application Notes: This protein carries no "tag".

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 20 mM Tris, 20 mM NaCl, 2 mM MgCl₂, pH 8.0

Storage: -80 °C

Storage Comment: -70°C
