

Datasheet for ABIN7520371 Nuclease Protein



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Overview

Quantity:	20 kU
Target:	Nuclease
Origin:	<i>Serratia marcescens</i>
Source:	Yeast (<i>Pichia pastoris</i>)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Active Recombinant <i>Serratia marcescens</i> Nuclease
Sequence:	DTLESIDNCA VGCPTGGSSN VSIVRHAYTL NNNSTTKFAN WWAYHITKDT PASGKTRNWK TDPALNPADT LAPADYTGAN AALKVDRGHQ APLASLAGVS DWESLNYLSN ITPQKSDLNQ GAWARLEDQE RKLIDRADIS SVYTVTGPLY ERDMGKLPQT QKAHTIPSAY WKVIFINNSP AVNHYAAFLF DQNTPKGADF CQFRVTVDEI EKRTGLIWA GLPDDVQASL KSKPGVLPPEL MGCKN
Specificity:	Asp22-Asn266
Purity:	> 95 % by SDS-PAGE.
Endotoxin Level:	<0.1EU/μg
Biological Activity Comment:	1.One unit (U) is defined as the amount of enzyme required to change the absorption value of A260 by 1.0 (equivalent to complete digestion of 37 μg of salmon essence DNA into oligonucleotides) in 30 min at 37°C, pH 8.0 reaction conditions. The specific activity of <i>Serratia marcescens</i> nuclease is > 1000 U/μL.2.Recombinant <i>Serratia marcescens</i> Nuclease (0.1U) can effectively degrade 5 μg plasmid DNA at 37°C for 30 min. The reaction buffer is: 10 mM MgCl ₂ ,

Product Details

0.1 mg/mL BSA, 50 mM Tris-HCl, pH8.5.

Target Details

Target:	Nuclease
Abstract:	Nuclease Products
Background:	<p>Description: Catalyzes the hydrolysis of both DNA and RNA, double- or single-stranded, at the 3'position of the phosphodiester bond to produce 5'-phosphorylated mono-, di-, tri- and tetranucleotides. DNA is a slightly better substrate than RNA.</p> <p>Name: Endonuclease, Nuclease, nucA, nuc</p>
Gene ID:	66715254
UniProt:	P13717

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Solution in 50 % glycerol containing 20 mM Tris HCl, pH 8.0, 2 mM MgCl ₂ , and 20 mM NaCl.
Storage:	-20 °C
Storage Comment:	This product is stable at -15°C ~ -25°C for up to 2 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.