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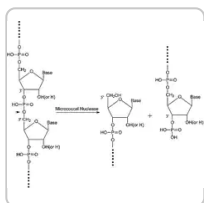
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Saisir le nom du produit, le numéro de lot, etc.



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photos (1)

Documents

↓ FDS

🔍 COO/COA

📄 Fiche des
caractéristiques

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documents »

N3755 ▶ **Sigma-Aldrich**

Nuclease micrococcal from *Staphylococcus aureus*

★★★★★ (0)

100-300 units/mg protein

Synonyme(s):

Micrococcal nuclease, Endonuclease micrococcal, MNase, Micrococcal endonuclease

Numéro CAS: **9013-53-0**

Numéro EC: **232-748-0**

NACRES: NA.54

Numéro de classification
(Commission des enzymes):

3.1.31.1 (BRENDA, IUBMB)

Numéro MDL:

MFCD00131731

Référence	Conditionnement	Disponibilité	Prix	Quantité
N3755-50UN	50 UNITS	✓ Date d'expédition estimée le 15 novembre 2022	168,00 €	– +
N3755-200UN	200 UNITS	✓ Only 1 left in stock (more on the way) Détails...	413,00 €	– +
N3755-500UN	500 UNITS	✓ Disponible pour expédition le 07 octobre 2022 Détails...	822,00 €	– +

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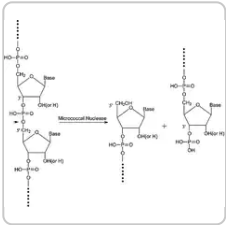
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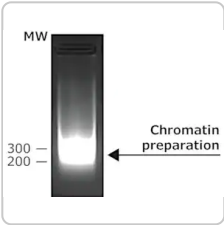


PRODUITS RECOMMANDÉS



Sigma-Aldrich
N5386
Nuclease micrococcal from *Staphylococcus aureus*
100-300 units/mg protein

Consulter le prix et la disponibilité



Sigma-Aldrich
CS0004
Nuclease micrococcal from *Staphylococcus aureus*
With reaction buffer and BSA solution

Consulter le prix et la disponibilité

PROPRIÉTÉS

Source biologique	<i>Staphylococcus aureus</i>
Niveau de qualité	300
Forme	lyophilized powder
specific activity	100-300 units/mg protein
Composition	Protein, ≥40% E1%/280 (Balance primarily sodium citrate)
application(s)	diagnostic assay manufacturing

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Catégories apparentées

[Nucleases \(DNases and RNases\)](#)

DESCRIPTION

Application

Nuclease from *Staphylococcus aureus* has been used in a study to assess coagulase and heat-resistant strains found in animals. It has also been used in a study to investigate the expression characteristic of two genes in *S. aureus* that encode two thermostable nucleases.

Conditionnement

50, 200, 500 units in serum bottle

Actions biochimiques/physiologiques

Cleavage of DNA by Nuclease micrococcal is greater at the 5' sides of A or T nucleotides than at G or C.

Hydrolyzes 5'-phosphodiester bonds of DNA.

Définition de l'unité

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Note: One μ molar unit = approx. 85 A_{260} units, where an A_{260} unit is equivalent to a ΔA_{260} of 1.0 in 30 min at pH 8.8 at 37 °C in a 3.55 mL reaction volume. Light path = 1 cm.

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

13 - Non Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

Équipement de protection individuelle

Eyeshields, Gloves, type N95 (US)

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

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Certificat d'origine

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Numéro de lot

e.g. 023J5431

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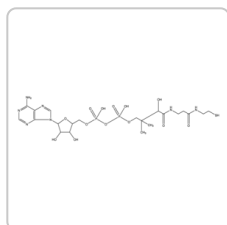
Rechercher

Plus De Documents

Enzyme Explorer

FDS

LES CLIENTS ONT ÉGALEMENT CONSULTÉ

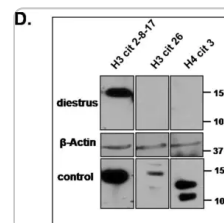


Sigma-Aldrich

D3385

3'-Dephosphocoenzyme A

≥90% (HPLC)



Sigma-Aldrich

07-596

Anti-Histone H4 (citruiline 3) Antibody

Upstate®, from rabbit

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ARTICLES REVUS PAR DES PAIRS

Comparative expression analysis of two thermostable nuclease genes in *Staphylococcus aureus*.

Yu Hu et al.

Foodborne pathogens and disease, 9(3), 265-271 (2012-03-03)

Thermonuclease is known as a specific virulence factor in *Staphylococcus aureus*. It is widely used as a genetic marker for detection of *S. aureus* in various types of food. Previous studies have revealed the existence of two functional thermostable nucleases

High sequence specificity of micrococcal nuclease.

C Dingwall et al.

Nucleic acids research, 9(12), 2659-2673 (1981-06-25)

The substrate specificity of micrococcal nuclease (EC 3.1.4.7.) has been studied. The enzyme recognises features of nucleotide composition, nucleotide sequence and tertiary structure of DNA. Kinetic analysis indicates that the rate of cleavage is 30 times greater at the 5'

Coagulase and Heat-resistant Nuclease Producing *Staphylococcus epidermidis* Strains from Animals

DEVRIESE, L. and P. OEDING

Journal of Applied Microbiology, 39, 197-207 (1975)

Noninvasive imaging of *Staphylococcus aureus* infections with a nuclease-activated probe.

Frank J Hernandez et al.

Nature medicine, 20(3), 301-306 (2014-02-04)

Technologies that enable the rapid detection and localization of bacterial infections in living animals could address an unmet need for infectious disease diagnostics. We describe a molecular imaging approach for the specific, noninvasive detection of *S. aureus* based on the

Intracellular nucleosomes constrain a DNA linking number difference of -1.26 that reconciles the Lk paradox.

Joana Segura et al.

Nature communications, 9(1), 3989-3989 (2018-09-30)

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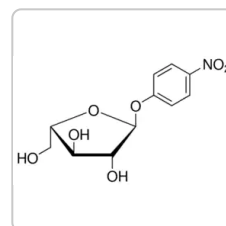
Sigma-Aldrich

N3643

NZCYM Broth

Powder microbial growth medium

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Sigma-Aldrich

N3641

4-Nitrophenyl α-L-arabinofuranoside

≥98% (TLC)

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Évaluations



Soyez le premier à donner votre avis sur ce produit

Questions

Soyez le premier à poser une question

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