

[Toutes les photos \(1\)](#)**11284932001 Roche**

DNase I

from bovine pancreas

Synonyme(s):

Dnase

Numéro de classification
(Commission des enzymes):**3.1.21.1 (BRENDA, IUBMB)**

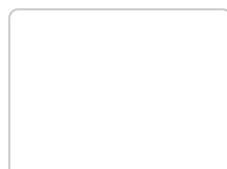
Documents

[↓ FDS](#)[🔍 COO/COA](#)[Plus de documents »](#)

Référence	Conditionnement	Disponibilité	Prix	Quantité
11284932001	100 MG	✓ Disponible pour expédition le 01 octobre 2022	Détails... 171,00 €	— + 

[Demander une commande en gros](#)[Ajouter au panier](#)

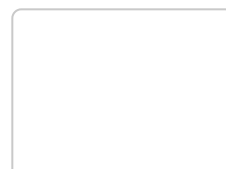
PRODUITS RECOMMANDÉS



Roche

10104159001**DNase I**

grade II, from bovine pancreas



Sigma-Aldrich

DN25**Deoxyribonuclease I from bovine pancreas**

lyophilized powder, Protein ≥85 %, ≥400 Kunitz units/mg



Consulter le prix et la disponibilité



protein

Consulter le prix et la disponibilité

PROPRIÉTÉS

Source biologique	bovine pancreas
Niveau de qualité	100
Forme	lyophilized
Conditionnement	pkg of 100 mg
manufacturer/tradename	Roche
technique(s)	cell culture mammalian: suitable
Temp. de stockage	2-8°C

Catégories apparentées

Nucleases (DNases and RNases)
Roche® Life Science Products

DESCRIPTION

Description générale

DNase I is a double-strand specific endonuclease that degrades DNA. Bovine pancreatic deoxyribonuclease I (DNase I) is a DNA minor groove-interacting nuclease, which shows relatively low specificity. This protein is composed of two central β sheets, each composed of six β -strands. This structure is surrounded by extensive loop and α -helical regions. This enzyme shares structural similarity to exonuclease III. DNase I is one of the most well characterized endonucleases of mammalian origin.

Actions biochimiques/physiologiques

During tissue dissociation, parts of the cells are lysed resulting in a release of DNA. Monomolecular DNA may cause clumping of cells. Addition of DNase I to the dissociation buffer leads to a degradation of this extracellular DNA, thereby avoiding the loss of cells from undesired clumping.

Définition de l'unité

One unit is the enzyme activity which yields an increase in absorbance of 0.001 per minute under the assay conditions.

Notes préparatoires

Activator: Bivalent metal ions (Ca^{2+} , Mg^{2+})

Working concentration: 0.01 to 1 mg/ml

Note: For each cell type the working concentration has to be determined individually. For optimal activity the enzyme needs 5 mM Mg^{2+} .

Reconstitution

Reconstitute the lyophilizate in sterile double-distilled water (10 mg/ml); further dilution with PBS (phosphate buffered saline), HBSS (Hank's Balanced Salt Solution) or medium.

Autres remarques

For life science research only. Not for use in diagnostic procedures.

INFORMATIONS SUR LA SÉCURITÉ

Pictograms



GHS08

Mention d'avertissement

Danger

Mentions de danger

H317 - H334

Conseils de prudence

P261 - P280 - P284 - P304 +
P340 - P333 + P313 - P342 +
P311

Classification des risques

Resp. Sens. 1 - Skin Sens. 1

Code de la classe de stockage

11 - Combustible Solids

WGK

WGK 1

Flash Point(F)

does not flash

Point d'éclair C

does not flash

DOCUMENTATION

Certificat d'analyse

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

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

[Rechercher](#)

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

[Comment saisir un numéro de lot \(COO\)](#)

[Rechercher](#)

Plus De Documents

[Enzyme Explorer](#)

[FDS](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Millipore

69182

DNase I, RNase free

For applications in which maintenance of RNA integrity is critical

[Consulter le prix et la disponibilité](#)

Roche

COLLD-RO

Collagenase D

from *Clostridium histolyticum*

[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

Isolation of inflammatory cells from rat brain tissue after stroke.

Karoline Möller et al.

Experimental & translational stroke medicine, 4(1), 20-20 (2012-10-04)

The pathophysiology of sterile inflammation following focal ischemic stroke is complex and not fully understood, but there is growing evidence that it offers several therapeutic options beyond the hitherto existing treatment strategies. The identification and quantification of infiltrating inflammatory cells

The NLR-Annotator Tool Enables Annotation of the Intracellular Immune Receptor Repertoire.

Burkhard Steuernagel et al.

Plant physiology, 183(2), 468-482 (2020-03-19)

Disease resistance genes encoding nucleotide-binding and leucine-rich repeat (NLR) intracellular immune receptor proteins detect pathogens by the presence of pathogen effectors. Plant genomes typically contain hundreds of NLR-encoding genes. The availability of the hexaploid wheat (*Triticum aestivum*) cultivar Chinese Spring

Development of spermatogonial cell transplantation in Nibe croaker, *Nibea mitsukurii* (Perciformes, Sciaenidae).

Yutaka Takeuchi et al.

Biology of reproduction, 81(6), 1055-1063 (2009-07-17)

In a recently established system for intraperitoneal spermatogonial cell transplantation in salmonids, donor type A spermatogonia (type A SG) were microinjected into the peritoneal cavity of newly hatched larvae. Compared with salmonids, the larvae of marine teleosts are small and

The clock gene *Bmal1* inhibits macrophage motility, phagocytosis, and impairs defense against pneumonia.

Gareth B Kitchen et al.

Proceedings of the National Academy of Sciences of the United States of America, 117(3), 1543-1551 (2020-01-05)

The circadian clock regulates many aspects of immunity. Bacterial infections are affected by time of day, but the mechanisms involved remain undefined. Here we show that loss of the core clock protein BMAL1 in macrophages confers protection against pneumococcal pneumonia.

Consumption of Lamb Meat or Basa Fish Shapes the Gut Microbiota and Aggravates Pulmonary Inflammation in Asthmatic Mice.

Hao-Cheng Zheng et al.

Journal of asthma and allergy, 13, 509-520 (2020-10-30)

In China, lamb and fish are well-known triggers for an asthma attack. Our investigation aims at assessing whether the long-term intake of lamb meat or Basa fish would aggravate pulmonary inflammation as well as exploring changes in the intestinal microbiota

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PRODUITS CONSULTÉS RÉCEMMENT



Roche

11277081001

Hexanucleotide Mix

solution, pkg of 100 µL, sufficient for 50 labeling reactions

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Roche

11277073910

DIG RNA Labeling Mix

sufficient for 20 reactions, solution

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Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie, science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

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