

SPEZIFIKATION

SPECIFICATION

Pronase E from Streptomyces griseus
E.C. 3.4.24.4 lyophil.

Cat.No. : 33635

Parameter	Method	Specification
Appearance		light ivory-colored lyophilisate
Activity	DMC U/mg determined with TNBS	ca. 6.0 – 8.0
Activity in other units	PU-units/g Casein substrate; 40°C, pH 7.4	ca. 1 000 000
	PUK-units/g Casein substrat, 40°C, pH 7.5	ca. 20 000
Storage (°C)	+2 to +8	

Unit definition

One DMC-Unit is that amount of enzymatic activity which catalyzes the cleavage of 1 μ equivalent peptide bond from dimethylcasein per minute at 25°C pH 7.5, expressed in terms of the appearance of new terminal amino groups.

<p>We do not guarantee that the product can be used for a special application. This document does not release you from performing the standard control upon receipt of incoming goods.</p>
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SERVA Electrophoresis GmbH
Quality Control

Dr. H. Volger

D. Lux-Helmstetter

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Pronase® E from *Streptomyces griseus* ca. 6-8 DMC-U/mg lyophil.

+2 °C to +8 °C



Xn

R: 36/37/38 - 42

S: 22 - 24 - 26 - 36/37

WGK 1

HS-No. 35079090 • CAS-No. [9068-59-1]

(*Streptomyces griseus* neutral proteinase). For structural analysis of proteins (1, 2). Suitable for preparation of bacteriophage lambda DNA (3).

Unit definition: 1 DMC-U catalyzes the hydrolysis of 1 µmol dimethyl casein per minute at 25 °, pH 7.5; the liberated amino groups are determined with 2,4,6-trinitrobenzene sulfonic acid (4).

Activity in other units: ca. 1 000 000 PU-units/g (casein substrate; 40 °, pH 7.4 (5), ca 20 000 PUK-units/g (casein substrate, 40 °C, pH 7.5).

References:

1. Jehanli, A. & Hough, D. (1985) Mol. Immunol. 22, 557-66
2. Tsugita, A. & Akabori, S. (1959) J. Biochem. (Tokyo) 46, 695-704
3. Maniatis, T. et al. (1982) Molecular Cloning - a Laboratory Manual. Cold Spring, Harbor Laboratory, p. 85
4. Lin, Y. et al. (1969) J. Biol. Chem. 244, 789-93
5. Nomoto, M. & Narashi, Y. (1959) J. Biochem. (Tokyo) 46, 653-67

® = Registered trademark

Order Information

Order-No.	Amount
33635.01	250 mg
33635.02	1 g
33635.03	5 g

Related Information and Products

Molecular Biology: Enzymes for Nucleic Acid Purification



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