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Technical Data Sheet

Description

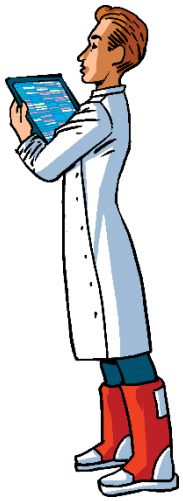
PRONASE E FROM STREPTOMYCES GRISEUS MIN. 5 DMC-U/MG LYOPHIL. 5g

Part number

215672

Pieces by sales : 8224

Description



Pronase E from Streptomyces griseus min. 5.0 DMC-U/mg lyophil.

Technical characteristics

- **Mixture of at least 10 proteases :** five serine type proteases, two zinc
- endopeptidases, two zinc leucine aminopeptidases and one zinc
- carboxypeptidase. Digestion with the product has been useful when extensive or
- complete degradation of protein is required.
- Pronase E is used in tissue dissociation of various tissues, e.g. to isolate
- living chondrocytes.
- Additional applications are the structural analysis of
- proteins (1, 2), preparation of bacteriophage lambda DNA (3), pretreatment of
- tissue sections to enhance the intensity of immunostaining and removal of
- protein in DNA/RNA isolations.
- Activity:
- min. 5.0 DMC U/mg
- Unit definition:
- 1 DMC-U (1U) is that amount of enzymatic activity
- which catalyzes the cleavage of 1 µ-equivalent peptide bond from dimethyl
- casein per minute at 25 °C, pH 7.5, expressed in terms of the appearance of
- new terminal amino groups (4).
- Activity in other units:
- ca. 1 000 000 PU-units/g (casein substrate; 40
- °C, pH 7.4 (5), ca. 20 000 PUK-units/g (casein substrate, 40 °C, pH 7.5).
- Pronase = registered trademark of Calbiochem-Novabiochem Corp.
- References:
- Jehanli, A. & Hough, D. (1985) Mol. Immunol.
- 22
- , 557-66

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- Spring, Harbor Laboratory, p. 85
- Lin, Y. et al. (1969) J. Biol. Chem.
- 244,
- 789-93
- Nomoto, M. & Narashi, Y. (1959) J. Biochem. (Tokyo)
- 653-67

- Hazard Statements
- H315
- -
- H319
- H334
- H335
- Precautions
- P280
- P285
- Reaction
- P302 +P352
- P304 +P340
- P305 +P351 +P338
- P342 +P311
- **EG-Index :** 647-014-00-9
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- **EINECS :** 232-909-5
- **WGK :** 1
- **HS :** 35079090
- **Storage Temperature :** +2 °C to +8 °C