

Neutral proteinase from *Bacillus* sp.

Cat. No. DIA-273

Lot. No. (See product label)

Introduction

Applications

This enzyme is useful for synthesis of oligopeptides, for proteolysis of insoluble protein and for structural investigation of the protein.

Synonyms

Neutral proteinase; Cathepsin G; Microbial metalloproteinase; EC 3.4.24.4

Product Information

Source

Bacillus sp.

Appearance

White amorphous powder or granule

EC Number

EC 3.4.24.4

CAS No.

70851-98-8

Molecular Weight

approx. 25,000 (SDS-PAGE)

Activity

1000U/mg-solid or more

Contaminants

Other proteases <2 X 10⁻²%

pH Stability

pH 6.0-9.0 (40°C, 30min)

Optimum pH

pH 7.0-8.0

Thermal stability

below 70°C (pH 7.5, 10min)

Optimum temperature

80°C

Inhibitors

EDTA

Stabilizers

Ca⁺⁺

Unit Definition

One unit causes an increase in the optical density at 275nm corresponding to one microgram of tyrosine per minute under the conditions described below.

Storage and Shipping Information

Stability

Stable at 5°C for at least one year