

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