

Native Streptomyces sp. Alkalophilic proteinase

Cat. No. DIA-183

Lot. No. (See product label)

Introduction

Applications

This enzyme is more active at a higher pH range than the known alkaline protease, showing the proteolytic activity even in 0.2N NaOH solution. This enzyme is useful for proteolysis of insoluble protein and for structure investigation of protein.

Synonyms

Alkalophilic proteinase; EC 3.4.21.-

Product Information

Source

Streptomyces sp.

Appearance

White amorphous powder, lyophilized

Form

Freeze dried powder

EC Number

EC 3.4.21.-

Molecular Weight

approx. 50 kDa

Activity

Grade I 20U/mg-solid or more

Isoelectric point

8.7

pH Stability

pH 5.0-11.5 (25°C, 24hr)

Optimum pH

> 12

Thermal stability

below 50°C (pH 8.3, 15min)

Optimum temperature

60°C

Inhibitors

Diisopropyl fluorophosphate, EDTA

Stabilizers

Ca⁺⁺

Storage and Shipping Information

Stability

Stable at -20°C for at least one year