

Native Bacteria Achromopeptidase

Cat. No. NATE-0022

Lot. No. (See product label)

Introduction

Description

Lysyl endopeptidase (EC 3.4.21.50, Achromobacter proteinase I, Achromobacter lyticus alkaline proteinase I, protease I, achromopeptidase, lysyl bond specific proteinase) is an enzyme. This enzyme catalyses the following chemical reaction: Preferential cleavage: Lys-, including-Lys-Pro-. This enzyme is isolated from Achromobacter lyticus.

Applications

α -Hemolysin was used in a study to test the efflux pump and haemolysin activity of Escherichia coli of dairy origin. It was also used to test its adaptation to benzalkonium chloride and the effect of ciprofloxacin on biofilm formation.

Synonyms

Achromobacter proteinase I; Achromobacter lyticus alkaline proteinase I; protease I; achromopeptidase; lysyl bond specific proteinase; EC 3.4.21.50; 123175-82-6; Lysyl endopeptidase

Product Information

Source

Bacteria

Form

lyophilized powder

EC Number

EC 3.4.21.50

CAS No.

123175-82-6

Molecular Weight

~27 kDa

Activity

> 1,000 units/mg solid; > 20,000 units/mg solid

pH Stability

8.5-9

Optimum pH

8.5-9

Buffer

H₂O: soluble 0.49-0.51 mg/mL

Unit Definition

One unit will produce a change in A₆₀₀ of 0.001 per minute per mL at pH 8.0 at 37°C using a suspension of Micrococcus lysodeikticus as substrate (1 cm light path).

Storage and Shipping Information

Storage

2-8°C