

aqualysin 1

Cat. No. EXWM-4106

Lot. No. (See product label)

Introduction

Description

This enzyme from the extreme thermophile, *Thermus aquaticus*, is an alkaline serine peptidase. It has three subsites, S1, S2, and S3, in the substrate binding site. The preferred amino acids at the S1 site are Ala and Phe, at the S2 site are Ala and norleucine and at the S3 site are Phe and Ile. These specificities are similar to those of EC 3.4.21.64 (peptidase K) and EC 3.4.21.62 (subtilisin BPN'). The enzyme displays broad specificity for cleavage of insulin B-chain and hydrolyses elastin substrates such as succinyl-(Ala)*n*-p-nitroanilide (*n* = 1,2,3) and some peptide esters. Belongs in peptidase family S8A.

Synonyms

caldolysin

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.4.21.111

CAS No.

88747-68-6

Reaction

Exhibits low specificity towards esters of amino acids with small hydrophobic or aromatic residues at the P1 position

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.