

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.