Creative Enzymes®

serine-type D-Ala-D-Ala carboxypeptidase

Cat. No. EXWM-4058

Lot. No. (See product label)

Introduction

Description	A membrane-bound, bacterial enzyme inhibited by penicillin and other β-lactam antibiotics, which acylate the active site serine. Examples are known from peptidase families S11, S12 and S13. Distinct from EC 3.4.17.14, zinc D-Ala-D-Ala carboxypeptidase
Synonyms	DD-peptidase; D-alanyl-D-alanine-carboxypeptidase; D-alanyl-D-alanine-cleaving-peptidase; D-alanyl-D-alanine-cleaving peptidase; DD-transpeptidase; D-alanine carboxypeptidase; DD-carboxypeptidase; D-alanyl carboxypeptidase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.16.4
CAS No.	9077-67-2
Reaction	Preferential cleavage: (Ac)2-L-Lys-D-Ala┼D-Ala. Also transpeptidation of peptidyl-alanyl moieties that are N-acyl substituents of D-alanine
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.