

## 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  $\beta$ -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 °C for short term. For long term storage, store it at -20 °C~-80 °C.