Creative Enzymes®

muramoylpentapeptide carboxypeptidase

Cat. No. EXWM-4080

Lot. No. (See product label)

Introduction

Description	A bacterial enzyme that requires a divalent cation for activity. Does not cleave the C-terminal D-alanine from the product of the above reaction, UDP-N-acetyl-muramoyl-L-alanyl-γ-D-glutamyl-6-carboxy-L-lysyl-D-alanine. Competitively inhibited by penicillins and cephalosporins.
Synonyms	D-alanine carboxypeptidase I; DD-carboxypeptidase; D-alanine carboxypeptidase; D-alanyl-D-alanine carboxypeptidase; D-alanine-D-alanine-carboxypeptidase; carboxypeptidase D-alanyl-D-alanine; carboxypeptidase I; UDP-N-acetylmuramoyl-tetrapeptidyl-D-alanine alanine-hydrolase; D-alanyl-D-alanine peptidase; DD-peptidase; penicillin binding protein 5; PBP5; PdcA; VanY

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.17.8
CAS No.	9077-67-2
Reaction	Cleavage of the bond UDP-N-acetylmuramoyl-L-alanyl-γ-D-glutamyl-6-carboxy-L-lysyl-D-alanyl┼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 ℃.