Creative Enzymes®

muramoyltetrapeptide carboxypeptidase

Cat. No. EXWM-4065

Lot. No. (See product label)

Introduction

Description	Variants are known from various microorganisms. Involved in peptidoglycan synthesis, catalysing both decarboxylation and transpeptidation. Stimulated by divalent cations such as Mg2+ and Ca2+, but not by Zn2+. Inhibited by thiol-blocking reagents, but unaffected by penicillin
Synonyms	carboxypeptidase IIW; carboxypeptidase II; lysyl-D-alanine carboxypeptidase; L-lysyl-D-alanine carboxypeptidase; LD-carboxypeptidase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.17.13
CAS No.	60063-80-1
Reaction	Hydrolysis of the bond: N-acetyl-D-glucosaminyl-N-acetylmuramoyl-L-Ala-D-glutamyl-6-carboxy-L-lysyl┼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 ℃.