

## **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  $Mg^{2+}$  and  $Ca^{2+}$ , but not by  $Zn^{2+}$ . 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-glucosaminy-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 °C for short term. For long term storage, store it at -20 °C~-80 °C.