

## **γ-D-glutamyl-meso-diaminopimelate peptidase**

Cat. No. EXWM-4083

Lot. No. (See product label)

### **Introduction**

#### **Description**

A 45-kDa metallopeptidase from *Bacillus sphaericus*, the substrates being components of the bacterial spore wall. A member of peptidase family M14 (carboxypeptidase A family). Endopeptidase II has similar activity, but differs in cellular location, molecular mass and catalytic mechanism

#### **Synonyms**

endopeptidase I; γ-D-glutamyl-diaminopimelate endopeptidase; γ-D-glutamyl-L-meso-diaminopimelate peptidoglycan hydrolase; γ-glutamyl-L-meso-diaminopimelyl endopeptidase; γ-D-glutamyl-meso-diaminopimelate endopeptidase; γ-D-glutamyl-meso-diaminopimelic peptidoglycan hydrolase; γ-D-glutamyl-meso-diaminopimelic endopeptidase; γ-D-glutamyl-meso-D-aminopimelic endopeptidase

### **Product Information**

#### **Form**

Liquid or lyophilized powder

#### **EC Number**

EC 3.4.19.11

#### **CAS No.**

62572-28-5

#### **Reaction**

Hydrolysis of γ-D-glutamyl bonds to the L-terminus (position 7) of meso-diaminopimelic acid (meso-A2pm) in 7-(L-Ala-γ-D-Glu)-meso-A2pm and 7-(L-Ala-γ-D-Glu)-7-(D-Ala)-meso-A2pm. It is required that the D-terminal amino and carboxy groups of meso-A2pm are unsubstituted

#### **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.