Creative Enzymes®

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-glutamyldiaminopimelate 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.