

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.