

SpoIVB peptidase

Cat. No. EXWM-4111

Lot. No. (See product label)

Introduction

Description

This enzyme plays a central role in a regulatory checkpoint (the σ K checkpoint), which coordinates gene expression during the later stages of spore formation in *Bacillus subtilis*. The enzyme activates proteolytic processing of a sporulation-specific sigma factor, pro- σ K, to its mature and active form, σ K, by self-cleavage. The enzyme is also subject to secondary proteolysis, which presumably inactivates SpoIVB. The enzyme is also essential for the formation of heat-resistant spores. Belongs in peptidase family S55.

Synonyms

sporulation factor IV B protease

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.4.21.116

CAS No.

296241-18-4

Reaction

Self-cleaves Val52↓Asn53, Ala62↓Phe63 and Val74↓Thr75 at the N-terminus of SpoIVB

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.