Creative Enzymes®

SpoIVB peptidase

Cat. No. EXWM-4111

Lot. No. (See product label)

Introduction

Description	This enzyme plays a central role in a regulatory checkpoint (the σK 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-σK, to its mature and active form, σK, 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.