

## SpoIVB peptidase

Cat. No. EXWM-4111

Lot. No. (See product label)

### Introduction

**Description** This enzyme plays a central role in a regulatory checkpoint (the  $\sigma$ 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- $\sigma$ K, to its mature and active form,  $\sigma$ 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.