

## prephenate decarboxylase

Cat. No. EXWM-4753

Lot. No. (See product label)

### Introduction

**Description** The enzyme, characterized from the bacterium *Bacillus subtilis*, is involved in the biosynthesis of the nonribosomally synthesized dipeptide antibiotic bacilysin, composed of L-alanine and L-anticapsin. The enzyme isomerizes only the pro-R double bond in prephenate.

**Synonyms** BacA; AerD; SalX; non-aromatizing prephenate decarboxylase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.1.1.100

**Reaction** prephenate = 3-[(4R)-4-hydroxycyclohexa-1,5-dien-1-yl]-2-oxopropanoate + CO<sub>2</sub>

**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.