

## 4,4'-diapophytoene synthase

Cat. No. EXWM-2835

Lot. No. (See product label)

### Introduction

**Description** Requires Mn<sup>2+</sup>. Typical of Staphylococcus aureus and some other bacteria such as Heliobacillus sp.

**Synonyms** dehydrosqualene synthase; DAP synthase; C30 carotene synthase; CrtM

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.5.1.96

**Reaction** 2 (2E,6E)-farnesyl diphosphate = 15-cis-4,4'-diapophytoene + 2 diphosphate (overall reaction); (1a) 2 (2E,6E)-farnesyl diphosphate = diphosphate + presqualene diphosphate; (1b) presqualene diphosphate = 15-cis-4,4'-diapophytoene + diphosphate

**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.