

## presqualene diphosphate synthase

Cat. No. EXWM-2719

Lot. No. (See product label)

### Introduction

**Description** Isolated from the green alga *Botryococcus braunii* BOT22. Unlike EC 2.5.1.21, squalene synthase, where squalene is formed in one step from farnesyl diphosphate, in this alga the intermediate presqualene diphosphate is generated and released by this enzyme. This compound is then converted into either squalene (by EC 1.3.1.96, *Botryococcus* squalene synthase) or botryococcene (EC 1.3.1.97, botryococcene synthase).

**Synonyms** SSL-1 (gene name); hpnD (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.5.1.103

**Reaction** 2 (2E,6E)-farnesyl diphosphate = presqualene diphosphate + 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.