

## (S)- $\beta$ -bisabolene synthase

Cat. No. EXWM-5215

Lot. No. (See product label)

### Introduction

**Description** The synthesis of (S)- $\beta$ -macrocarpene from (2E,6E)-farnesyl diphosphate proceeds in two steps. The first step is the cyclization to (S)- $\beta$ -bisabolene. The second step is the isomerization to (S)- $\beta$ -macrocarpene (cf. EC 5.5.1.17, (S)- $\beta$ -macrocarpene synthase). The enzyme requires Mg<sup>2+</sup> or Mn<sup>2+</sup> for activity.

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.2.3.55

**Reaction** (2E,6E)-farnesyl diphosphate = (S)- $\beta$ -bisabolene + 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.