

## 15-cis-phytoene synthase

Cat. No. EXWM-2770

Lot. No. (See product label)

### Introduction

**Description** Requires Mn<sup>2+</sup> for activity. The enzyme produces 15-cis-phytoene. cf. EC 2.5.1.99, 15-trans-phytoene synthase.

**Synonyms** prephytoene-diphosphate synthase (ambiguous); phytoene synthetase (ambiguous); PSase (ambiguous); geranylgeranyl-diphosphate geranylgeranyltransferase (ambiguous)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.5.1.32

**CAS No.** 50936-61-3

**Reaction** 2 geranylgeranyl diphosphate = 15-cis-phytoene + 2 diphosphate (overall reaction); (1a) 2 geranylgeranyl diphosphate = diphosphate + prephytoene diphosphate; (1b) prephytoene diphosphate = 15-cis-phytoene + 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.