

## 9,9'-diciis- $\zeta$ -carotene desaturase

Cat. No. EXWM-1390

Lot. No. (See product label)

### Introduction

**Description** This enzyme is involved in carotenoid biosynthesis in plants and cyanobacteria.

**Synonyms**  $\zeta$ -carotene desaturase; ZDS

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.3.5.6

**Reaction** 9,9'-diciis- $\zeta$ -carotene + 2 quinone = 7,9,7',9'-tetrakis-lycopene + 2 quinol (overall reaction); (1a) 9,9'-diciis- $\zeta$ -carotene + a quinone = 7,9,9'-triciis-neurosporene + a quinol; (1b) 7,9,9'-triciis-neurosporene + a quinone = 7,9,7',9'-tetrakis-lycopene + a quinol

**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.