

## lycopene $\beta$ -cyclase

Cat. No. EXWM-5620

Lot. No. (See product label)

### Introduction

**Description** The enzyme is a non-redox flavoprotein, containing FADH<sub>2</sub> that is used for stabilization of a transition state. Lycopene has a  $\psi$ -end group at both ends. When acting on one end, the enzyme forms  $\gamma$ -carotene. When acting on both ends it forms  $\beta$ -carotene. It also acts on neurosporene to give  $\beta$ -zeacarotene.

**Synonyms** CrtL; CrtL-b; CrtY; LCYb; carotenoid  $\beta$ -end group lyase (decyclizing)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 5.5.1.19

**CAS No.** 220801-82-1

**Reaction** carotenoid  $\psi$ -end group = carotenoid  $\beta$ -end group

**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.