

## tocopherol cyclase

Cat. No. EXWM-5625

Lot. No. (See product label)

### Introduction

#### Description

The enzyme has been described from plants and cyanobacteria. It has similar activity with all four listed benzoquinol substrates. Involved in the biosynthesis of vitamin E (tocopherols and tocotrienols).

#### Synonyms

VTE1 (gene name); SXD1 (gene name);  $\Delta/\gamma$ -tocopherol lyase (decyclizing)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 5.5.1.24

#### Reaction

(1)  $\Delta$ -tocopherol = 2-methyl-6-phytylbenzene-1,4-diol; (2)  $\gamma$ -tocopherol = 2,3-dimethyl-6-phytylbenzene-1,4-diol; (3)  $\Delta$ -tocotrienol = 6-geranylgeranyl-2-methylbenzene-1,4-diol; (4)  $\gamma$ -tocotrienol = 6-geranylgeranyl-2,3-dimethylbenzene-1,4-diol

#### 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.