

## homogentisate phytyltransferase

Cat. No. EXWM-2731

Lot. No. (See product label)

### Introduction

**Description** Requires Mg<sup>2+</sup> for activity. Involved in the biosynthesis of the vitamin E tocopherols. While the enzyme from the cyanobacterium *Synechocystis* PCC 6803 has an appreciable activity with geranylgeranyl diphosphate (EC 2.5.1.116, homogentisate geranylgeranyltransferase), the enzyme from the plant *Arabidopsis thaliana* has only a low activity with that substrate.

**Synonyms** HPT; VTE2 (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.5.1.115

**Reaction** phytyl diphosphate + homogentisate = diphosphate + 2-methyl-6-phytylbenzene-1,4-diol + CO<sub>2</sub>

**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.