

## homogentisate geranylgeranyltransferase

Cat. No. EXWM-2732

Lot. No. (See product label)

### Introduction

#### Description

Requires Mg<sup>2+</sup> for activity. Involved in the biosynthesis of the vitamin E, tocotrienols. While the enzyme from the bacterium *Synechocystis* PCC 6803 has higher activity with phytyl diphosphate (EC 2.5.1.115, homogentisate phytyltransferase), the enzymes from barley, rice and wheat have only a low activity with that substrate.

#### Synonyms

HGGT; slr1736 (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.5.1.116

#### Reaction

geranylgeranyl diphosphate + homogentisate = diphosphate + 6-geranylgeranyl-2-methylbenzene-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.