

homogentisate phytyltransferase

Cat. No. EXWM-2731

Lot. No. (See product label)

Introduction

Description

Requires Mg²⁺ 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 + CO₂

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.