

## 4-hydroxy-3-polyprenylbenzoate decarboxylase

Cat. No. EXWM-4848

Lot. No. (See product label)

### Introduction

#### Description

The enzyme catalyses a step in prokaryotic ubiquinone biosynthesis, as well as in plastoquinone biosynthesis in cyanobacteria. The enzyme can accept substrates with different polyprenyl tail lengths in vitro, but uses a specific length in vivo, which is determined by the polyprenyl diphosphate synthase that exists in the specific organism. It requires a prenylated flavin cofactor that is produced by EC 2.5.1.129, flavin prenyltransferase.

#### Synonyms

ubiD (gene name); 4-hydroxy-3-solanesylbenzoate decarboxylase; 3-octaprenyl-4-hydroxybenzoate decarboxylase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.1.1.98

#### Reaction

a 4-hydroxy-3-polyprenylbenzoate = a 2-polyprenylphenol + 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.