

## 1,4-dihydroxy-2-naphthoate polyprenyltransferase

Cat. No. EXWM-2812

Lot. No. (See product label)

### Introduction

#### Description

This enzyme catalyses a step in the synthesis of menaquinone, in which the prenyl chain synthesized by polyprenyl diphosphate synthase is transferred to 1,4-dihydroxy-2-naphthoate (DHNA). The bacterial enzyme is an inner membrane protein, with the C-terminus located in the periplasm. It is highly specific for DHNA but not for a specific length of the prenyl chain.

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.5.1.74

#### Reaction

an all-trans-polyprenyl diphosphate + 1,4-dihydroxy-2-naphthoate = a demethylmenaquinol + diphosphate + 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.