

## all-trans-octaprenyl-diphosphate synthase

Cat. No. EXWM-2829

Lot. No. (See product label)

### Introduction

#### Description

This enzyme catalyses the condensation reactions resulting in the formation of all-trans-octaprenyl diphosphate, the isoprenoid side chain of ubiquinone-8 and menaquinone-8. The enzyme adds five isopentenyl diphosphate molecules sequentially to farnesyl diphosphate with trans stereochemistry

#### Synonyms

octaprenyl-diphosphate synthase; octaprenyl pyrophosphate synthetase; polyprenylpyrophosphate synthetase; terpenoidallyltransferase; terpenyl pyrophosphate synthetase; trans-heptaprenyltranstransferase; trans-prenyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.5.1.90

#### Reaction

(2E,6E)-farnesyl diphosphate + 5 isopentenyl diphosphate = 5 diphosphate + all-trans-octaprenyl diphosphate

#### 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.