

## hexaprenyl diphosphate synthase [geranylgeranyl-diphosphate specific]

Cat. No. EXWM-2820

Lot. No. (See product label)

### Introduction

#### Description

The enzyme prefers geranylgeranyl diphosphate to farnesyl diphosphate as an allylic substrate and does not show activity for geranyl diphosphate and dimethylallyl diphosphate. Requires Mg<sup>2+</sup>.

#### Synonyms

HexPS(ambiguous); (all-E) hexaprenyl diphosphate synthase; (all-trans) hexaprenyl diphosphate synthase; hexaprenyl pyrophosphate synthase (ambiguous); HexPPs (ambiguous); hexaprenyl diphosphate synthase (ambiguous)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.5.1.82

#### Reaction

geranylgeranyl diphosphate + 2 isopentenyl diphosphate = 2 diphosphate + all-trans-hexaprenyl 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.