

## (2Z,6E)-farnesyl diphosphate synthase

Cat. No. EXWM-2805

Lot. No. (See product label)

### Introduction

#### Description

Requires Mg<sup>2+</sup> or Mn<sup>2+</sup> for activity. The product of this reaction is an intermediate in the synthesis of decaprenyl phosphate, which plays a central role in the biosynthesis of most features of the mycobacterial cell wall, including peptidoglycan, linker unit galactan and arabinan. Neryl diphosphate can also act as substrate.

#### Synonyms

(Z)-farnesyl diphosphate synthase; Z-farnesyl diphosphate synthase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.5.1.68

#### Reaction

geranyl diphosphate + isopentenyl diphosphate = diphosphate + (2Z,6E)-farnesyl 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.