

## halimadienyl-diphosphate synthase

Cat. No. EXWM-5617

Lot. No. (See product label)

### Introduction

#### Description

Requires Mg<sup>2+</sup> for activity. This enzyme is found in pathogenic prokaryotes such as Mycobacterium tuberculosis but not in non-pathogens such as Mycobacterium smegmatis so may play a role in pathogenicity. The product of the reaction is subsequently dephosphorylated yielding tuberculosinol (halima-5,13-dien-15-ol).

#### Synonyms

Rv3377c; halimadienyl diphosphate synthase; tuberculosinol diphosphate synthase; halima-5(6),13-dien-15-yl-diphosphate lyase (cyclizing); halima-5,13-dien-15-yl-diphosphate lyase (decyclizing)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 5.5.1.16

#### Reaction

geranylgeranyl diphosphate = tuberculosinyl 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.