

## 2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase

Cat. No. EXWM-3272

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from Escherichia coli requires  $Mg^{2+}$  or  $Mn^{2+}$ . ATP or UTP can replace CTP, but both are less effective. GTP and TTP are not substrates. Forms part of an alternative nonmevalonate pathway for terpenoid biosynthesis (for diagram, click [here](#)).

#### Synonyms

MEP cytidylyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.7.7.60

#### CAS No.

251990-59-7

#### Reaction

CTP + 2-C-methyl-D-erythritol 4-phosphate = diphosphate + 4-(cytidine 5'-diphospho)-2-C-methyl-D-erythritol

#### 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.