

## D-sedoheptulose 7-phosphate isomerase

Cat. No. EXWM-5467

Lot. No. (See product label)

### Introduction

#### Description

In Gram-negative bacteria the enzyme is involved in biosynthesis of ADP-L-glycero- $\beta$ -D-manno-heptose, which is utilized for assembly of the lipopolysaccharide inner core. In Gram-positive bacteria the enzyme is involved in biosynthesis of GDP-D-glycero- $\alpha$ -D-manno-heptose, which is required for assembly of S-layer glycoprotein.

#### Synonyms

sedoheptulose-7-phosphate isomerase; phosphoheptose isomerase; gmhA (gene name); lpcA (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 5.3.1.28

#### Reaction

D-sedoheptulose 7-phosphate = D-glycero-D-manno-heptose 7-phosphate

#### 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.