

## D-glycero- $\alpha$ -D-manno-heptose 1,7-bisphosphate 7-phosphatase

Cat. No. EXWM-3689

Lot. No. (See product label)

### Introduction

#### Description

The enzyme is involved in biosynthesis of GDP-D-glycero- $\alpha$ -D-manno-heptose, which is required for assembly of S-layer glycoprotein in some Gram-positive bacteria. The in vitro catalytic efficiency of the enzyme from *Bacteroides thetaiotaomicron* is 6-fold higher with the  $\alpha$ -anomer than with the  $\beta$ -anomer.

#### Synonyms

gmhB (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.1.3.83

#### Reaction

D-glycero- $\alpha$ -D-manno-heptose 1,7-bisphosphate + H<sub>2</sub>O = D-glycero- $\alpha$ -D-manno-heptose 1-phosphate + 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.