

## GDP-perosamine synthase

Cat. No. EXWM-2842

Lot. No. (See product label)

### Introduction

#### Description

A pyridoxal 5'-phosphate enzyme. D-Perosamine is one of several dideoxy sugars found in the O-specific polysaccharide of the lipopolysaccharide component of the outer membrane of Gram-negative bacteria. The enzyme catalyses the final step in GDP- $\alpha$ -D-perosamine synthesis.

#### Synonyms

RfbE; GDP-4-keto-6-deoxy-D-mannose-4-aminotransferase; GDP-perosamine synthetase; PerA; GDP-4-amino-4,6-dideoxy- $\alpha$ -D-mannose:2-oxoglutarate aminotransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.6.1.102

#### Reaction

GDP- $\alpha$ -D-perosamine + 2-oxoglutarate = GDP-4-dehydro- $\alpha$ -D-rhamnose + L-glutamate

#### 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.