

## GDP-4-dehydro-D-rhamnose reductase

Cat. No. EXWM-0089

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, which operates in the opposite direction to that shown, forms a mixture of GDP- $\alpha$ -D-rhamnose and its C-4 epimer, GDP-6-deoxy- $\alpha$ -D-talose. cf. EC 1.1.1.281, GDP-4-dehydro-6-deoxy-D-mannose reductase and EC 1.1.1.135, GDP-6-deoxy-D-talose 4-dehydrogenase.

#### Synonyms

GDP-4-keto-6-deoxy-D-mannose reductase; GDP-4-keto-D-rhamnose reductase; guanosine diphosphate-4-keto-D-rhamnose reductase; GDP-6-deoxy-D-mannose:NAD(P)<sup>+</sup> 4-oxidoreductase; GDP-6-deoxy- $\alpha$ -D-mannose:NAD(P)<sup>+</sup> 4-oxidoreductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.187

#### CAS No.

9075-56-3

#### Reaction

(1) GDP- $\alpha$ -D-rhamnose + NAD(P)<sup>+</sup> = GDP-4-dehydro- $\alpha$ -D-rhamnose + NAD(P)H + H<sup>+</sup>; (2) GDP-6-deoxy- $\alpha$ -D-talose + NAD(P)<sup>+</sup> = GDP-4-dehydro- $\alpha$ -D-rhamnose + NAD(P)H + H<sup>+</sup>

#### 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.