

## 3-deoxy-8-phosphooctulonate synthase

Cat. No. EXWM-2792

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of transferases, specifically those transferring aryl or alkyl groups other than methyl groups. This enzyme participates in lipopolysaccharide biosynthesis.

#### Synonyms

2-dehydro-3-deoxy-D-octonate-8-phosphate D-arabinose-5-phosphate-lyase (pyruvate-phosphorylating); 2-dehydro-3-deoxy-phosphooctonate aldolase; 2-keto-3-deoxy-8-phosphooctonic synthetase; 3-deoxy-D-manno-octulosonate-8-phosphate synthase; 3-deoxy-D-mannooctulosonate-8-phosphate synthetase; 3-deoxyoctulosonic 8-phosphate synthetase; KDOP synthase; phospho-2-keto-3-deoxyoctonate aldolase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.5.1.55

#### CAS No.

9026-96-4

#### Reaction

phosphoenolpyruvate + D-arabinose 5-phosphate + H<sub>2</sub>O = 3-deoxy-D-manno-octulosonate 8-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.