

## 3-deoxy- $\alpha$ -D-manno-octulosonate 8-oxidase

Cat. No. EXWM-0421

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the bacterium *Shewanella oneidensis*, is involved in the formation of 8-amino-3,8-dideoxy- $\alpha$ -D-manno-octulosonate, an aminated form of Kdo found in lipopolysaccharides of members of the *Shewanella* genus. cf. EC 2.6.1.109, 8-amino-3,8-dideoxy- $\alpha$ -D-manno-octulosonate transaminase.

#### Synonyms

kdnB (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.3.48

#### Reaction

3-deoxy- $\alpha$ -D-manno-octulopyranosonate + O<sub>2</sub> = 3,8-dideoxy-8-oxo- $\alpha$ -D-manno-octulosonate + H<sub>2</sub>O<sub>2</sub>

#### 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.