

## protodeoxyviolaceinate monooxygenase

Cat. No. EXWM-0819

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the bacterium *Chromobacterium violaceum*, participates in the biosynthesis of the violet pigment violacein. The product, protoviolaceinate, can be acted upon by EC 1.14.13.224, violacein synthase, leading to violacein production. However, it is very labile, and in the presence of oxygen can undergo non-enzymic autooxidation to the shunt product proviolacein.

#### Synonyms

vioD (gene name); protoviolaceinate synthase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.217

#### Reaction

protodeoxyviolaceinate + NAD(P)H + O<sub>2</sub> = protoviolaceinate + NAD(P)<sup>+</sup> + H<sub>2</sub>O

#### 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.