

## pulcherriminic acid synthase

Cat. No. EXWM-0938

Lot. No. (See product label)

### Introduction

#### Description

A heme-thiolate (P-450) enzyme from the bacterium *Bacillus subtilis*. The order of events during the overall reaction is unknown. Pulcherriminic acid spontaneously forms an iron chelate with Fe(3+) to form the red pigment pulcherrimin.

#### Synonyms

cyclo-L-leucyl-L-leucyl dipeptide oxidase; CYP134A1; CypX (ambiguous)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.15.13

#### Reaction

cyclo(L-leucyl-L-leucyl) + 6 reduced ferredoxin + 3 O<sub>2</sub> = pulcherriminic acid + 6 oxidized ferredoxin + 4 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.