

## phycoerythrobilin:ferredoxin oxidoreductase

Cat. No. EXWM-1398

Lot. No. (See product label)

### Introduction

#### Description

Catalyses the two-electron reduction of the C2 and C31 diene system of 15,16-dihydrobiliverdin. Specific for 15,16-dihydrobiliverdin. It has been proposed that this enzyme and EC 1.3.7.2, 15,16-dihydrobiliverdin:ferredoxin oxidoreductase, function as a dual enzyme complex in the conversion of biliverdin IX $\alpha$  to phycoerythrobilin.

#### Synonyms

PebB

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.3.7.3

#### CAS No.

347401-21-2

#### Reaction

(3Z)-phycoerythrobilin + oxidized ferredoxin = 15,16-dihydrobiliverdin + reduced ferredoxin

#### 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.