

phycoerythrobilin synthase

Cat. No. EXWM-1401

Lot. No. (See product label)

Introduction

Description

This enzyme, from a cyanophage infecting oceanic cyanobacteria of the Prochlorococcus genus, uses a four-electron reduction to carry out the reactions catalysed by EC 1.3.7.2 (15,16-dihydrobiliverdin:ferredoxin oxidoreductase) and EC 1.3.7.3 (phycoerythrobilin:ferredoxin oxidoreductase). 15,16-Dihydrobiliverdin is formed as a bound intermediate. Free 15,16-dihydrobiliverdin can also act as a substrate to form phycoerythrobilin.

Synonyms

PebS

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.3.7.6

Reaction

(3Z)-phycoerythrobilin + 2 oxidized ferredoxin = biliverdin IX α + 2 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.