

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.