Creative Enzymes®

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 IXα 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.