Creative Enzymes®

phycoerythrocyanin α-cysteine-84 phycoviolobilin lyase/isomerase

Cat. No. EXWM-5334

Lot. No. (See product label)

Introduction

Description	The enzyme, characterized from the cyanobacteria Nostoc sp. PCC 7120 and Mastigocladus laminosus, catalyses the covalent attachment of the phycobilin chromophore phycocyanobilin to cysteine 84 of the β subunit of the phycobiliprotein phycoerythrocyanin and its isomerization to phycoviolobilin.
Synonyms	pecE (gene name); pecF (gene name); phycoviolobilin phycoerythrocyanin-α84-cystein-lyase; PecE/PecF; PEC-Cys-R84 PCB lyase/isomerase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.4.1.31
Reaction	[phycoerythrocyanin α-subunit]-Cys84-phycoviolobilin = apo-[phycoerythrocyanin α-subunit] + (2R,3E)-phycocyanobilin
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 ℃.