

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- α 84-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 °C for short term. For long term storage, store it at -20 °C~-80 °C.