

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.