

## phycobiliprotein $\beta$ -cysteine-155 phycobilin lyase

Cat. No. EXWM-5333

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, found in cyanobacteria and red algae, catalyses the attachment of the phycobilin chromophore phycocyanobilin to cysteine 155 of the  $\beta$  subunits of the phycobiliproteins C-phycocyanin and phycoerythrocyanin. The numbering used here corresponds to the enzyme from Anabaena, and could vary slightly in other organisms.

#### Synonyms

cpcT (gene name); cpeT1 (gene name); cpcT1 (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.4.1.30

#### Reaction

(1) [C-phycocyanin  $\beta$ -subunit]-Cys155-phycocyanobilin = apo-[C-phycocyanin  $\beta$ -subunit] + (2R,3E)-phycocyanobilin; (2) [phycoerythrocyanin  $\beta$ -subunit]-Cys155-phycocyanobilin = apo-[phycoerythrocyanin  $\beta$ -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.