

## R-phycocyanin $\alpha$ -cysteine-84 phycourobilin lyase/isomerase

Cat. No. EXWM-5336

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the cyanobacterium *Synechococcus* sp. WH8102, catalyses the covalent attachment of the phycobilin chromophore phycoerythrobilin to cysteine 84 of the  $\alpha$  subunit of the phycobiliprotein R-phycocyanin and its isomerization to phycourobilin.

#### Synonyms

rpcG (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.4.1.33

#### Reaction

[R-phycocyanin  $\alpha$ -subunit]-Cys84-phycourobilin = apo-[R-phycocyanin  $\alpha$ -subunit] + (2R,3E)-phycoerythrobilin

#### 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.