

## R-phycoerythrin $\alpha$ -cysteine-84 phycoerythrin 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 phycoerythrin to cysteine 84 of the  $\alpha$  subunit of the phycobiliprotein R-phycoerythrin and its isomerization to phycoerythrin.

**Synonyms** rpcG (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.4.1.33

**Reaction** [R-phycoerythrin  $\alpha$ -subunit]-Cys84-phycoerythrin = apo-[R-phycoerythrin  $\alpha$ -subunit] + (2R,3E)-phycoerythrin

**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.