

phycobiliprotein β -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 β 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 β -subunit]-Cys155-phycocyanobilin = apo-[C-phycocyanin β -subunit] + (2R,3E)-phycocyanobilin; (2) [phycoerythrocyanin β -subunit]-Cys155-phycocyanobilin = apo-[phycoerythrocyanin β -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.