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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.