Creative Enzymes®

R-phycocyanin α-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 α 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 α-subunit]-Cys84-phycourobilin = apo-[R-phycocyanin α-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.