Creative Enzymes®

(3S)-3-amino-3-(3-chloro-4-hydroxyphenyl)propanoyl-[peptidyl-carrier protein SgcC2] monooxygenase

Cat. No. EXWM-0912

Lot. No. (See product label)

Introduction

Description	The enzyme from the bacterium Streptomyces globisporus is involved in the biosynthesis of the (S)-3-chloro-5-hydroxy-β-tyrosine moiety prior to incorporation into the chromoprotein antitumor antibiotic C-1027.
Synonyms	SgcC

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.14.15
Reaction	(3S)-3-amino-3-(3-chloro-4-hydroxyphenyl)propanoyl-[peptidyl-carrier protein SgcC2] + FADH2 + O2 = (3S)-3-amino-3-(3-chloro-4,5-dihydroxyphenyl)propanoyl-[peptidyl-carrier protein SgcC2] + FAD + H2O
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 ℃.