Creative Enzymes®

phenylalanine 3-monooxygenase

Cat. No. EXWM-0959

Lot. No. (See product label)

Introduction

Description	The enzyme from the bacterium Streptomyces coeruleorubidus forms 3-hydroxy-L-phenylalanine (i.e. m-L-tyrosine), which is one of the building blocks in the biosynthesis of the uridyl peptide antibiotics pacidamycins.
Synonyms	PacX; phenylalanine 3-hydroxylase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.16.7
Reaction	L-phenylalanine + tetrahydrobiopterin + O2 = 3-hydroxy-L-phenylalanine + 4a-hydroxytetrahydrobiopterin
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 ℃.