

## 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 + O<sub>2</sub> = 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.