

cyclo(L-leucyl-L-phenylalanyl) synthase

Cat. No. EXWM-2294

Lot. No. (See product label)

Introduction

Description

The reaction proceeds following a ping-pong mechanism forming a covalent intermediate between an active site serine and the L-phenylalanine residue. The protein, found in the bacterium *Streptomyces noursei*, also forms cyclo(L-phenylalanyl-L-phenylalanyl), cyclo(L-methionyl-L-phenylalanyl), cyclo(L-phenylalanyl-L-tyrosyl) and cyclo(L-methionyl-L-tyrosyl).

Synonyms

AlbC; cFL synthase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.3.2.20

Reaction

$\text{L-leucyl-tRNA}^{\text{Leu}} + \text{L-phenylalanyl-tRNA}^{\text{Phe}} = \text{tRNA}^{\text{Leu}} + \text{tRNA}^{\text{Phe}} + \text{cyclo(L-leucyl-L-phenylalanyl)}$

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.