

## 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** L-leucyl-tRNA<sup>Leu</sup> + L-phenylalanyl-tRNA<sup>Phe</sup> = tRNA<sup>Leu</sup> + tRNA<sup>Phe</sup> + 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.