

## cyclo(L-tyrosyl-L-tyrosyl) synthase

Cat. No. EXWM-2295

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 first L-tyrosine residue. The protein, from the bacterium *Mycobacterium tuberculosis*, also forms small amounts of cyclo(L-tyrosyl-L-phenylalanyl).

#### Synonyms

Rv2275 (gene name); cYY synthase; cyclodityrosine synthase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.3.2.21

#### Reaction

$2 \text{ L-tyrosyl-tRNATyr} = 2 \text{ tRNATyr} + \text{cyclo(L-tyrosyl-L-tyrosyl)}$

#### 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.