

carbapenam-3-carboxylate synthase

Cat. No. EXWM-5778

Lot. No. (See product label)

Introduction

Description

The enzyme is involved in the biosynthesis of the carbapenem β -lactam antibiotic (5R)-carbapen-2-em-3-carboxylate in the bacterium *Pectobacterium carotovorum*.

Synonyms

CarA (ambiguous); CPS (ambiguous); carbapenam-3-carboxylate ligase; 6-methyl-(2S,5S)-5-carboxymethylproline cyclo-ligase (AMP-forming)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.3.3.6

Reaction

ATP + (2S,5S)-5-carboxymethylproline = AMP + diphosphate + (3S,5S)-carbapenam 3-carboxylate

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.