

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 $\text{ATP} + (2S,5S)\text{-5-carboxymethylproline} = \text{AMP} + \text{diphosphate} + (3S,5S)\text{-carbapenam 3-carboxylate}$

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.