

adenosylcobinamide hydrolase

Cat. No. EXWM-4482

Lot. No. (See product label)

Introduction

Description

Involved in the salvage pathway of cobinamide in archaea. Archaea convert adenosylcobinamide (AdoCbi) into adenosylcobinamide phosphate (AdoCbi-P) in two steps. First, the amidohydrolase activity of CbiZ cleaves off the aminopropanol moiety of AdoCbi yielding adenosylcobyrinic acid (AdoCby); second, AdoCby is converted into AdoCbi-P by the action of EC 6.3.1.10, adenosylcobinamide-phosphate synthase (CbiB).

Synonyms

CbiZ; AdoCbi amidohydrolase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.5.1.90

CAS No.

905988-16-1

Reaction

adenosylcobinamide + H₂O = adenosylcobyrinic acid + (R)-1-aminopropan-2-ol

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.