

6-carboxytetrahydropterin synthase

Cat. No. EXWM-4887

Lot. No. (See product label)

Introduction

Description

Binds Zn²⁺. Isolated from the bacteria *Bacillus subtilis* and *Escherichia coli*. The reaction is part of the biosynthesis pathway of queuosine. The enzyme from *Escherichia coli* can also convert 6-pyruvoyl-5,6,7,8-tetrahydropterin and sepiapterin to 6-carboxy-5,6,7,8-tetrahydropterin.

Synonyms

CPH4 synthase; queD (gene name); ToyB; ykvK (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.1.2.50

Reaction

7,8-dihydroneopterin 3'-triphosphate + H₂O = 6-carboxy-5,6,7,8-tetrahydropterin + acetaldehyde + triphosphate

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.