

threonine-phosphate decarboxylase

Cat. No. EXWM-4830

Lot. No. (See product label)

Introduction

Description

A pyridoxal-phosphate protein. This enzyme is unable to decarboxylate the D-isomer of threonine O-3-phosphate. The product of this reaction, (R)-1-aminopropan-2-yl phosphate, is the substrate of EC 6.3.1.10, adenosylcobinamide-phosphate synthase, which converts adenosylcobyrinic acid into adenosylcobinamide phosphate in the anaerobic cobalamin biosynthesis pathway.

Synonyms

L-threonine-O-3-phosphate decarboxylase; CobD; L-threonine-O-3-phosphate carboxy-lyase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.1.1.81

Reaction

L-threonine O-3-phosphate = (R)-1-aminopropan-2-yl phosphate + CO₂

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.