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 adenosylcobyric 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.