Creative Enzymes®

aminodeoxychorismate synthase

Cat. No. EXWM-2926

Lot. No. (See product label)

Introduction

Description	The enzyme is composed of two parts, PabA and PabB. In the absence of PabA and glutamine, PabB converts ammonia and chorismate into 4-amino-4-deoxychorismate (in the presence of Mg2+). PabA converts glutamine into glutamate only in the presence of stoichiometric amounts of PabB. This enzyme is coupled with EC 4.1.3.38, aminodeoxychorismate lyase, to form 4-aminobenzoate.
Synonyms	ADC synthase; 4-amino-4-deoxychorismate synthase; PabB; chorismate:L-glutamine amido-ligase (incorrect)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.6.1.85
Reaction	chorismate + L-glutamine = 4-amino-4-deoxychorismate + L-glutamate
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 ℃.