Creative Enzymes®

diaminobutyrate acetyltransferase

Cat. No. EXWM-2119

Lot. No. (See product label)

Introduction

Description	Requires Na+ or K+ for maximal activity. Ornithine, lysine, aspartate, and α-,β- and γ-aminobutanoate cannot act as substrates. However, acetyl-CoA can be replaced by propanoyl-CoA, although the reaction proceeds more slowly. Forms part of the ectoine-biosynthesis pathway, the other enzymes involved being EC 2.6.1.76, diaminobutyrate-2-oxoglutarate transaminase and EC 4.2.1.108, ectoine synthase.
Synonyms	L-2,4-diaminobutyrate acetyltransferase; L-2,4-diaminobutanoate acetyltransferase; EctA; diaminobutyric acid acetyltransferase; DABA acetyltransferase; 2,4-diaminobutanoate acetyltransferase; DAB acetyltransferase; DABAcT; acetyl-CoA:L-2,4-diaminobutanoate 4-N-acetyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.178
CAS No.	130456-92-7
Reaction	acetyl-CoA + L-2,4-diaminobutanoate = CoA + N4-acetyl-L-2,4-diaminobutanoate
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 ℃.