Creative Enzymes®

diaminobutyrate decarboxylase

Cat. No. EXWM-4835

Lot. No. (See product label)

Introduction

Description	A pyridoxal-phosphate protein that requires a divalent cation for activity. N4-Acetyl-L-2,4-diaminobutanoate, 2,3-diaminopropanoate, ornithine and lysine are not substrates. Found in the proteobacteria Haemophilus influenzae and Acinetobacter baumannii. In the latter, this enzyme is cotranscribed with the dat gene that encodes EC 2.6.1.76, diaminobutyrate-2-oxoglutarate transaminase, which can supply the substrate for this enzyme.
Synonyms	DABA DC; L-2,4-diaminobutyrate decarboxylase; L-2,4-diaminobutanoate carboxy-lyase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.1.1.86
Reaction	L-2,4-diaminobutanoate = propane-1,3-diamine + 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 ℃.