

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.