Creative Enzymes®

Native Pseudomonas sp. Oxaloacetate decarboxylase

Cat. No. DIA-161

Lot. No. (See product label)

Introduction

Description	Oxaloacetate decarboxylase is a carboxy-lyase involved in the conversion of oxaloacetate into pyruvate. It is categorized under EC 4.1.1.3. In some bacteria this enzyme is a trimer, composed of alpha, beta and gamma subunits. The beta and gamma subunits are integral membrane proteins.
Applications	Useful for enzymatic determination of AST
Synonyms	EC 4.1.1.3; Oxaloacetate decarboxylase; Oxalate beta-decarboxylase; Oxaloacetate carboxy-lyase

Product Information

Source	Pseudomonas sp.
Form	Freeze dried powder
EC Number	EC 7.2.4.2 (Formerly EC 4.1.1.3)
CAS No.	9024-98-0
Activity	> 100 U/mg
Contaminants	Catalase < 0.3%; AST < 0.005%
pH Stability	7.5-9.0 (50°C, 10 mins)
Optimum pH	7.5
Thermal stability	Stable at 50°C and below (pH 7.5, 10 mins)

Storage and Shipping Information

Storage	Store in tightly closed containers, desiccated, protected from light, at-20°C.