

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.