

Native Pseudomonas sp. Oxaloacetate Decarboxylase

Cat. No. NATE-0494

Lot. No. (See product label)

Introduction

Description

Oxaloacetate decarboxylase or OAD functions as a Na pump in anaerobic bacteria. It is a membrane protein consisting of three subunits, α , β and γ with the α subunit containing the carboxylase activity.

Applications

Oxaloacetate decarboxylase has been used in a study to assess turnover and accessibility of a reentrant loop of the Na (+)-glutamate transporter GltS. It has also been used in a study to investigate fermentation and metabolic characteristics of *Gluconacetobacter oboediens* for different carbon sources.

Synonyms

Oxaloacetate decarboxylase; EC 4.1.1.3; 9024-98-0; oxaloacetate β -decarboxylase; oxalacetic acid decarboxylase; oxalate β -decarboxylase; oxaloacetate carboxylase; OAD

Product Information

Source

Pseudomonas sp.

Form

lyophilized powder

EC Number

EC 4.1.1.3

CAS No.

9024-98-0

Activity

100-350 units/mg solid

Unit Definition

One unit will convert 1.0 μ mole of oxalacetate to pyruvate and CO₂ per min at pH 8.0 at 25°C.

Storage and Shipping Information

Storage

-20°C