

Native *Klebsiella pneumoniae* Citrate Lyase

Cat. No. NATE-0135

Lot. No. (See product label)

Introduction

Description Citrate lyase is found in several microorganisms and catalyzes the first step of Citrate degradation, forming acetate and oxaloacetate. The enzyme contains 3 polypeptide subunits, α -subunit (a transferase), β -subunit (acyl lyase) and γ -subunit (acyl-carrier protein).

Synonyms EC 4.1.3.6, citrase; citRatase; citritase; citridesmolase; Citrate aldolase; citric aldolase; Citrate lyase; Citrate oxaloacetate-lyase; Citrate oxaloacetate-lyase [(pro-3S)-CH₂COO⁻→acetate]; 9012-83-3

Product Information

Source *Klebsiella pneumoniae*

Form Lyophilized powder containing bovine serum albumin, sucrose, MgSO₄ and EDTA

EC Number EC 4.1.3.6

CAS No. 9012-83-3

Activity > 0.20 unit/mg solid

Unit One unit will convert 1.0 μ mole of Citrate to oxalacetate per min at pH 7.6 at 25°C.

Definition

Storage and Shipping Information

Storage 2-8°C