Creative Enzymes®

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 Definition	One unit will convert 1.0 μmole of Citrate to oxalacetate per min at pH 7.6 at 25°C.

Storage and Shipping Information

Storage	2-8°C