

Native *Bacillus stearothermophilus* Phosphotransacetylase

Cat. No. NATE-0641

Lot. No. (See product label)

Introduction

Description Phosphotransacetylase converts CoA to acetyl CoA. This enzyme belongs to the family of transferases, specifically those acyltransferases transferring groups other than aminoacyl groups. This enzyme participates in 3 metabolic pathways: taurine and hypotaurine metabolism, pyruvate metabolism, and propanoate metabolism.

Applications Phosphotransacetylase, from *Bacillus stearothermophilus*, is used to convert CoA to acetyl CoA. Phosphotransacetylase (pta) is used to study transport systems for acetate. It is used to study metabolic pathways in various bacterium

Synonyms phosphate acetyltransferase; phosphotransacetylase; phosphoacylase; PTA; EC 2.3.1.8; 9029-91-8

Product Information

Source *Bacillus stearothermophilus*

Form Lyophilized powder containing potassium phosphate

EC Number EC 2.3.1.8

CAS No. 9029-91-8

Activity > 3,000 units/mg protein (biuret)

Unit Definition One unit will convert 1.0 μ mole of CoA to acetyl CoA per min at pH 7.4 at 25°C using acetyl phosphate as substrate.

Storage and Shipping Information

Storage -20°C