

Native Baker's yeast (*S. cerevisiae*) S-Acetyl-coenzyme A synthetase

Cat. No. NATE-0026

Lot. No. (See product label)

Introduction

Description Acetyl-coenzyme A synthetase catalyzes the production of acetyl-CoA. It is involved in histone acetylation in the nucleus. It may be involved in the growth of nonfermentable carbon sources such as glycerol. Acetyl-coenzyme A synthetase is induced by acetate, acetaldehyde and ethanol.

Applications S-Acetyl-coenzyme A synthetase may be used to study various metabolic pathways, such as glycolysis, gluconeogenesis, pyruvate metabolism and CO fixation. It may also be used in gene expression studies.

Synonyms acetyl-CoA synthetase; acetyl activating enzyme; acetate thiokinase; acyl-activating enzyme; acetyl coenzyme A synthetase; acetic thiokinase; acetyl CoA ligase; acetyl CoA synthase; acetyl-coenzyme A synthase; short chain fatty acyl-CoA synthetase; short-chain acyl-coenzyme A synthetase; ACS; EC 6.2.1.1; 9012-31-1

Product Information

Source Baker's yeast (*S. cerevisiae*)

Form Lyophilized powder containing stabilizers as potassium phosphate, sucrose, and reduced glutathione

EC Number EC 6.2.1.1

CAS No. 9012-31-1

Activity > 3 units/mg protein

Unit Definition One unit will form 1.0 μ mole of S-acetyl coenzyme A from acetate, ATP, and coenzyme A per min at pH 7.5 at 37°C.

Usage and Packaging

Package Package size based on protein content.

Storage and Shipping Information

Storage -20°C