

Acetyl-coenzyme A synthetase from *Bacillus subtilis*, Recombinant

Cat. No. NATE-0797

Lot. No. (See product label)

Introduction

Description Acetyl-CoA synthetase (ACS) or Acetate-CoA ligase is an enzyme (EC 6.2.1.1) involved in metabolism of acetate. It is in the ligase class of enzymes, meaning that it catalyzes the formation of a new chemical bond between two large molecules.

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 *Bacillus subtilis*

Form Liquid

EC Number EC 6.2.1.1

CAS No. 9012-31-1

Molecular Weight ~ 66kD

Activity ~ 25 U/mg protein

Unit Definition One Unit is defined as the amount of enzyme required to produce one μ mole of acetyl coenzyme A from acetic acid, ATP and coenzyme A per min in the presence of NAD⁺ in TEA buffer at pH 8.4 and 25°C.

Storage and Shipping Information

Storage 4°C