Creative Enzymes®

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 µmole 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