Creative Enzymes®

ATP Sulfurylase from S. cerevisiae, Recombinant

Cat. No. NATE-1280

Lot. No. (See product label)

Introduction

Description	In enzymology, a sulfate adenylyltransferase (EC 2.7.7.4) is an enzyme that catalyzes the chemical reaction:ATP + sulfate↔ diphosphate + adenylyl sulfate. Thus, the two substRates of this enzyme are ATP and sulfate, whereas its two products are diphosphate and adenylyl sulfate. This enzyme belongs to the family of transferases, specifically those transferring phosphorus-containing nucleotide groups (nucleotidyltransferases). This enzyme participates in 3 metabolic pathways:purine metabolism, selenoamino acid metabolism, and sulfur metabolism.
Synonyms	ATP-sulfurylase; adenosine-5'-triphosphate sulfurylase; adenosinetriphosphate sulfurylase; adenylylsulfate pyrophosphorylase; ATP sulfurylase; sulfurylase; EC 2.7.7.4; 9012-39-9; Sulfate adenylate transferase

Product Information

Species	S. cerevisiae
Source	E. coli
CAS No.	9012-39-9
Concentration	8 U/mL
Unit Definition	One unit is the amount of enzyme which incorporates 1 pmol AMP into acid-insoluble material at 37°C in 1 minute.

Storage and Shipping Information

Storage	at -20°C