

Adenosine deaminase Bovine, Recombinant

Cat. No. NATE-0032

Lot. No. (See product label)

Introduction

Description

Recombinant Bovine Adenosine Deaminase for research on purine metabolism and enzymatic mechanisms. Ideal for biochemical and pharmacological studies. Creative Enzymes ensures high-quality, reliable products.

Applications

Adenosine deaminase is useful in various molecular biology assays, such as glycerol release assays. Adenosine deaminase is a potential target for treatments of combined immunodeficiency disease.

Synonyms

ADA; adenosine deaminase; adenosine aminohydrolase; 9026-93-1; EC 3.5.4.4

Product Information

Species

Bovine

Source

E. coli

Form

ammonium sulfate suspension. Suspension in 3.2 M (NH₄)₂SO₄, 0.01 M potassium phosphate, pH 6.0

EC Number

EC 3.5.4.4

CAS No.

9026-93-1

Molecular Weight

32.5-33 kDa

Activity

60-130 units/mg protein; > 130 units/mg protein; 150-200 units/mg protein

Isoelectric point

4.85

Pathway

Metabolic pathways, organism-specific biosystem; Primary immunodeficiency, organism-specific biosystem; Purine metabolism, conserved biosystem

Function

adenosine deaminase activity; protein binding; zinc ion binding

Unit Definition

One unit will deaminate 1.0 μmole of adenosine to inosine per min at pH 7.5 at 25°C.

Storage and Shipping Information

Storage

2-8°C