

Native Calf Adenosine Deaminase

Cat. No. DIA-271

Lot. No. (See product label)

Introduction

Description

Native Calf Adenosine Deaminase for research on purine metabolism and enzymatic activity. Perfect for biochemistry and enzymology studies. Creative Enzymes provides high-purity, trusted solutions.

Synonyms

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

Product Information

Species

Calf

Source

Calf Spleen

EC Number

EC 3.5.4.4

CAS No.

9026-93-1

Molecular Weight

33 kDa (SDS-PAGE)

Activity

150~200U/mg protein

Isoelectric point

4.85

pH Stability

4.0~10.0

Optimum pH

7.4

Thermal stability

< 60°C (pH7.4, 20min)

Optimum temperature

75°C

Michaelis Constant

2.2x10⁻⁵M (androsterone)

Inhibitors

Ag⁺, Hg²⁺, Cu²⁺

Unit Definition

One unit will deaminate one micromole of adenosine to inosine per minute at pH 7.4 at 25°C.

Usage and Packaging

Preparation Instructions

The enzyme preparation may be diluted in water or buffer to a protein concentration of 1mg/ml, producing a clear, colorless solution.

Storage and Shipping Information

Storage

Storage: Temperature 2-8 centigrade