

## 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<sup>-5</sup>M (androsterone)

**Inhibitors** Ag<sup>+</sup>, Hg<sup>2+</sup>, Cu<sup>2+</sup>

**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