Creative Enzymes®

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 dilutedin 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