Creative Enzymes
Diagnostic Enzymes

Adenosine deaminase Bovine, Recombinant

Product Information

Cat#	NATE-0032
Similar	ADA
Source	E. coli
Description	Adenosine deaminase is an enzyme (EC 3.5.4.4) involved in purine metabolism. It is needed for the breakdown of adenosine from food and for the turnover of nucleic acids in tissues. Present in virtually all mammalian cells, its primary function in Humans is the development and maintenance of the immune system.
Form	ammonium sulfate suspension. Suspension in 3.2 M (NH4)2SO4, 0.01 M potassium phosphate, pH 6.0
Activity	60-130 units/mg protein; > 130 units/mg protein; 150-200 units/mg protein
CAS No.	9026-93-1
Isoelectric point	4.85
Unit Definition	One unit will deaminate 1.0 µmole of adenosine to inosine per min at pH 7.5 at 25°C.
Storage	2-8°C
Synonyms	ADA; adenosine deaminase; adenosine aminohydrolase; 9026-93-1; EC 3.5.4.4
Enzyme Commission Number	EC 3.5.4.4
Abbr	ADA, Recombinant (Bovine)
Alias	ADA; adenosine deaminase
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.
Product Overview	Protein determined by biuret.

Tel: 1-631-562-8517 1-516-512-3133
Email:info@creative-enzymes.com
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY11967, USA

Creative Enzymes
Diagnostic Enzymes

Adenosine deaminase Bovine, Recombinant

Molecular Weight	32.5-33 kDa
Species	Bovine
Pathway	Metabolic pathways, organism-specific biosystem; Primary immunodeficiency, organism-specific biosystem; Purine metabolism, conserved biosystem
Function	adenosine deaminase activity; protein binding; zinc ion binding

Tel: 1-631-562-8517 1-516-512-3133
Email:info@creative-enzymes.com
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY11967, USA