

## Adenosine deaminase from Human, Recombinant

### Product Information

<b>Cat#</b>	NATE-1583
<b>Similar</b>	ADA
<b>Source</b>	E. coli
<b>Description</b>	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.
<b>Activity</b>	>1 U/mL
<b>CAS No.</b>	9026-93-1
<b>Unit Definition</b>	One unit will deaminate 1.0 $\mu$ mole of adenosine to inosine per min at pH 7.5 at 25°C.
<b>Storage</b>	Store at -20°C
<b>Synonyms</b>	ADA; adenosine deaminase; adenosine aminohydrolase; 9026-93-1; EC 3.5.4.4
<b>Enzyme Commission Number</b>	EC 3.5.4.4
<b>Abbr</b>	ADA, Recombinant (Human)
<b>Alias</b>	ADA
<b>Applications</b>	Adenosine deaminase (ADA) is a key enzyme in purine metabolism and is essential for normal immune function. It is important in the study of immune system diseases such as rheumatoid arthritis.
<b>Species</b>	Human