



# Creative Enzymes

Diagnostic Enzymes

## Adenosine deaminase, Recombinant

### Product Information

<b>Cat#</b>	NATE-1009
<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>	200U/mg protein
<b>CAS No.</b>	9026-93-1
<b>Isoelectric point</b>	5.43
<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>	Redissolved in 20% glycerol, 4°C, store at -20°C for long-term preservation, Avoid multiple freeze-thaw cycles.
<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>Purity</b>	> 90 %
<b>pH Stability</b>	7.0-9.0
<b>Appearance</b>	White powder, lyophilized
<b>Molecular Weight</b>	About 53kDa (SDS-PAGE)

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