

## Recombinant Human Adenosine Deaminase

Cat. No. ADA-3H Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	ADA, also known as adenosine deaminase, catalyzes the hydrolytic deamination of adenosine and 2-deoxyadenosine. This protein plays an important role in purine metabolism and in adenosine homeostasis. ADA acts as a positive regulator of T-cell coactivation, by binding DPP4. Its interaction with DPP4 regulates lymphocyte-epithelial cell adhesion.
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	Greater than 90% as determined by Analysis by SDS-PAGE.
<b>Usage</b>	For Research Use Only! Not For Use in Humans.
<b>Storage</b>	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week.
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol

### GENE INFORMATION

<b>Gene Name</b>	ADA adenosine deaminase [ Homo sapiens ]
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<b>Official Symbol</b>	ADA
<b>Synonyms</b>	ADA; adenosine deaminase; adenosine aminohydrolase;
<b>Gene ID</b>	100
<b>mRNA Refseq</b>	NM_000022
<b>Protein Refseq</b>	NP_000013
<b>MIM</b>	608958
<b>UniProt ID</b>	P00813
<b>Chromosome Location</b>	20q13.12
<b>Pathway</b>	C-MYB transcription factor network, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Primary immunodeficiency, organism-specific biosystem; Primary immunodeficiency, conserved biosystem; Purine metabolism, organism-specific biosystem;
<b>Function</b>	adenosine deaminase activity; adenosine deaminase activity; hydrolase activity; metal ion binding; protein binding; purine nucleoside binding; zinc ion binding; zinc ion binding;

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