

## Active Recombinant Human ADA protein

Cat. No. ADA-39H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ADA was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Bio-activity</b>	>1 U/mL
<b>Unit Definition</b>	One unit will deaminate 1.0 $\mu$ mole of adenosine to inosine per min at pH 7.5 at 25 centigrade.
<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>Storage</b>	storage at -20 centigrade

### GENE INFORMATION

<b>Gene Name</b>	ADA adenosine deaminase [ Homo sapiens ]
<b>Official Symbol</b>	ADA
<b>Synonyms</b>	ADA; adenosine deaminase; adenosine aminohydrolase;

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<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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