

Active Recombinant Human ADA protein

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

SPECIFICATION

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

GENE INFORMATION

Gene Name	ADA adenosine deaminase [Homo sapiens]
Official Symbol	ADA
Synonyms	ADA; adenosine deaminase; adenosine aminohydrolase;

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Gene ID	100
mRNA Refseq	NM_000022
Protein Refseq	NP_000013
MIM	608958
UniProt ID	P00813
Chromosome Location	20q13.12
Pathway	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;
Function	adenosine deaminase activity; adenosine deaminase activity; hydrolase activity; metal ion binding; protein binding; purine nucleoside binding; zinc ion binding; zinc ion binding;