

Recombinant Human Adenosine Deaminase

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

SPECIFICATION

Product Overview

Species	Human
Description	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.
Form	Liquid
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	Greater than 90% as determined by Analysis by SDS-PAGE.
Usage	For Research Use Only! Not For Use in Humans.
Storage	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.
Storage Buffer	Tris-based buffer, 50% glycerol

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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