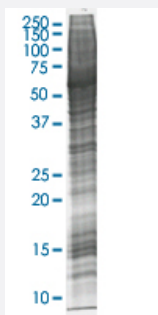


ADA HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

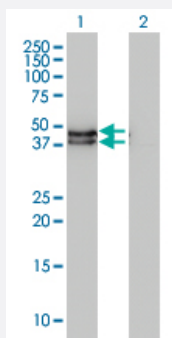
Catalog # L024T6 Size 100 ug

Applications



SDS-PAGE Gel

ADA transfected lysate



Western Blot

Lane 1: ADA transfected lysate (41 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-ADA full length
Host	Human
Theoretical MW (kDa)	41
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ADA antibody ([H00000100-M01](#)) by Western Blots.
SDS-PAGE Gel
ADA transfected lysate
Western Blot
Lane 1: ADA transfected lysate (41 KDa).
Lane 2: Non-transfected lysate.

Recommend Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

Gene Info — ADA

Entrez GeneID

[100](#)

GeneBank Accession#

[BC040226](#)

Protein Accession#

[AAH40226](#)

Gene Name

ADA

Gene Alias

-

Gene Description

adenosine deaminase

Omim ID

[102700 608958](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes an enzyme that catalyzes the hydrolysis of adenosine to inosine. Various mutations have been described for this gene and have been linked to human diseases. Deficiency in this enzyme causes a form of severe combined immunodeficiency disease (SCID), in which there is dysfunction of both B and T lymphocytes with impaired cellular immunity and decreased production of immunoglobulins, whereas elevated levels of this enzyme have been associated with congenital hemolytic anemia. [provided by RefSeq]

Other Designations

adenosine aminohydrolase

Pathway

- [Metabolic pathways](#)
- [Primary immunodeficiency](#)
- [Purine metabolism](#)

Disease

- [Alcoholism](#)
- [Arthritis](#)
- [Asthma](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)

- [Fatigue](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Hyperbilirubinemia](#)
- [Hyperemia](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Interview](#)
- [Lymphopenia](#)
- [Malaria](#)
- [Mental Disorders](#)
- [Mental Retardation](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Severe combined immunodeficiency](#)
- [Sleep Disorders](#)
- [Sleep Initiation and Maintenance Disorders](#)
- [Viremia](#)