

Recombinant Human AICDA 293 Cell Lysate

Cat. No. AICDA-8958HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for activation-induced cytidine deaminase (AICDA) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

AICDA activation-induced cytidine deaminase [Homo sapiens]

Official Symbol

AICDA

Synonyms

AICDA; activation-induced cytidine deaminase; AID; ARP2; CDA2; HIGM2; cytidine aminohydrolase; integrated into Burkitts lymphoma cell line Ramos;

Gene ID

57379

mRNA Refseq

NM_020661

Protein Refseq

NP_065712

MIM

605257

UniProt ID

Q9GZX7

**Chromosome
Location**

12p13

Pathway

IL4-mediated signaling events, organism-specific biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Primary immunodeficiency, organism-specific biosystem; Primary immunodeficiency, conserved biosystem; salvage pathways of pyrimidine deoxyribonucleotides, organism-specific biosystem; salvage

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pathways of pyrimidine ribonucleotides, organism-specific biosystem;

Function

cytidine deaminase activity; cytidine deaminase activity; hydrolase activity; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in cyclic amidines; metal ion binding; protein binding; zinc ion binding;

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