

Recombinant Human ADAR 293 Cell Lysate

Cat. No. ADAR-9026HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for adenosine deaminase, RNA-specific (ADAR), transcript variant 1 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.

 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

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

[ADAR adenosine deaminase, RNA-specific \[Homo sapiens \]](#)

Official Symbol

ADAR

Synonyms

ADAR; adenosine deaminase, RNA-specific; G1P1, IFI4, interferon induced protein 4; double-stranded RNA-specific adenosine deaminase; ADAR1; dsRNA adenosine deaminase; interferon-induced protein 4; interferon-inducible protein 4; adenosine deaminase acting on RNA 1-A; 136 kDa double-stranded RNA-binding protein; DSH; G1P1; IFI4; P136; DRADA; DSRAD; IFI-4; K88DSRBP;

Gene ID

[103](#)

mRNA Refseq

[NM_001111](#)

Protein Refseq

[NP_001102](#)

MIM

[146920](#)

UniProt ID

[P55265](#)

**Chromosome
Location**

1q21.3

Pathway

C6 deamination of adenosine, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytosolic DNA-sensing pathway,

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organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Formation of editosomes by ADAR proteins, organism-specific biosystem; Gene Expression, organism-specific biosystem; Immune System, organism-specific biosystem;

Function

DNA binding; double-stranded RNA adenosine deaminase activity; double-stranded RNA adenosine deaminase activity; double-stranded RNA binding; hydrolase activity; metal ion binding;

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