

Recombinant Human APOBEC1 293 Cell Lysate

Cat. No. APOBEC1-8786HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1 (APOBEC1) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [APOBEC1 apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1 \[Homo sapiens \]](#)

Official Symbol [APOBEC1](#)

Synonyms [APOBEC1](#); apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1; C->U-editing enzyme APOBEC-1; APOBEC 1; BEDP; CDAR1; HEPR; C->U-editing enzyme APOBEC-1; apolipoprotein B mRNA-editing enzyme 1; apolipoprotein B mRNA editing enzyme complex-1; APOBEC-1;

Gene ID [339](#)

mRNA Refseq [NM_001644](#)

Protein Refseq [NP_001635](#)

MIM [600130](#)

UniProt ID [P41238](#)

Chromosome Location [12p13.1](#)

Pathway [Formation of the Editosome, organism-specific biosystem](#); [Gene Expression, organism-specific biosystem](#); [mRNA Editing, organism-specific biosystem](#); [mRNA Editing: C to U Conversion, organism-specific biosystem](#);

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Function

AU-rich element binding; RNA binding; cytidine deaminase activity; hydrolase activity; metal ion binding; zinc ion binding;

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