

Recombinant Human APOBEC3G 293 Cell Lysate

Cat. No. APOBEC3G-8784HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G (APOBEC3G) 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

APOBEC3G apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G [Homo sapiens]

Official Symbol

APOBEC3G

Synonyms

APOBEC3G; apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G; DNA dC->dU-editing enzyme APOBEC-3G; bK150C2.7; CEM15; dJ494G10.1; FLJ12740; MDS019; DNA dC->dU-editing enzyme APOBEC-3G; APOBEC-related protein 9; dU editing enzyme; phorbolin-like protein MDS019; APOBEC-related cytidine deaminase; apolipoprotein B mRNA editing enzyme cytidine deaminase; ARCD; ARP9; ARP-9; CEM-15;

Gene ID

60489

mRNA Refseq

NM_021822

Protein Refseq

NP_068594

MIM

607113

UniProt ID

Q9HC16

**Chromosome
Location**

22q13.1-q13.2

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Pathway	APOBEC3G mediated resistance to HIV-1 infection, organism-specific biosystem; Disease, organism-specific biosystem; HIV Infection, organism-specific biosystem; Host Interactions of HIV factors, organism-specific biosystem; Vif-mediated degradation of APOBEC3G, organism-specific biosystem;
Function	RNA binding; cytidine deaminase activity; hydrolase activity; metal ion binding; protein homodimerization activity; zinc ion binding;

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