

Recombinant Human HMGA1 293 Cell Lysate

Cat. No. HMGA1-5479HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for high mobility group AT-hook 1 (HMGA1), 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.

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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

HMGA1 high mobility group AT-hook 1 [Homo sapiens]

Official Symbol

HMGA1

Synonyms

HMGA1; high mobility group AT-hook 1; high mobility group (nonhistone chromosomal) protein isoforms I and Y , HMGIY; high mobility group protein HMGI/HMG-Y; HMG-I(Y); high mobility group protein R; high mobility group protein A1; nonhistone chromosomal high-mobility group protein HMGI/HMG-Y; high-mobility group (nonhistone chromosomal) protein isoforms I and Y; HMG-R; HMGIY; HMGA1A; MGC4242; MGC4854; MGC12816;

Gene ID

3159

mRNA Refseq

NM_145899

Protein Refseq

NP_665906

MIM

600701

UniProt ID

P17096

Chromosome Location

6p21

Pathway

2-LTR circle formation, organism-specific biosystem; APOBEC3G mediated

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resistance to HIV-1 infection, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Autointegration results in viral DNA circles, organism-specific biosystem; Disease, organism-specific biosystem; Early Phase of HIV Life Cycle, organism-specific biosystem; HIV Infection, organism-specific biosystem;

Function

5-deoxyribose-5-phosphate lyase activity; AT DNA binding; DNA binding; DNA-(apurinic or apyrimidinic site) lyase activity; enzyme binding; ligand-dependent nuclear receptor transcription coactivator activity; peroxisome proliferator activated receptor binding; protein binding; retinoic acid receptor binding; retinoid X receptor binding; sequence-specific DNA binding transcription factor activity; transcription factor binding;

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