

Recombinant Human HMGA2 293 Cell Lysate

Cat. No. HMGA2-5478HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for high mobility group AT-hook 2 (HMGA2), 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

HMGA2 high mobility group AT-hook 2 [Homo sapiens]

Official Symbol

HMGA2

Synonyms

HMGA2; high mobility group AT-hook 2; high mobility group (nonhistone chromosomal) protein isoform I C , HMGIC; high mobility group protein HMGI-C; BABL; LIPO; High-mobility group protein HMGI-C; high mobility group AT-hook protein 2; high-mobility group (nonhistone chromosomal) protein isoform I-C; HMGIC; HMGI-C; STQTL9;

Gene ID

8091

mRNA Refseq

NM_003483

Protein Refseq

NP_003474

MIM

600698

UniProt ID

P52926

**Chromosome
Location**

12q15

Pathway

Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

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Function

5-deoxyribose-5-phosphate lyase activity; AT DNA binding; AT DNA binding; C2H2 zinc finger domain binding; DNA binding; DNA binding; DNA binding, bending; DNA binding, bending; DNA-(apurinic or apyrimidinic site) lyase activity; DNA-dependent protein kinase activity; MH1 domain binding; MH2 domain binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; SMAD binding; cAMP response element binding; core promoter binding; nucleic acid binding transcription factor activity; nucleosomal DNA binding; protein binding; contributes_to protein binding transcription factor activity; regulatory region DNA binding; transcription factor binding;

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