Recombinant Human HMGN1 293 Cell Lysate

Cat. No. HMGN1-5473HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for high-mobility group nucleosome binding domain 1 (HMGN1) 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	HMGN1 high mobility group nucleosome binding domain 1 [Homo sapiens]
Official Symbol	HMGN1
Synonyms	HMGN1; high mobility group nucleosome binding domain 1; high mobility group (nonhistone chromosomal) protein 14 , high mobility group nucleosome binding domain 1 , HMG14; non-histone chromosomal protein HMG-14; FLJ27265; FLJ31471; high mobility group nucleosome binding 1; MGC104230; MGC117425; nonhistone chromosomal protein HMG 14; nonhistone chromosomal protein HMG-14; high-mobility group nucleosome binding 1; high-mobility group nucleosome binding domain 1; high-mobility group (nonhistone chromosomal) protein 14; high mobility group nucleosome-binding domain-containing protein 1; HMG14;
Gene ID	3150
mRNA Refseq	NM_004965
Protein Refseq	NP_004956
MIM	163920
UniProt ID	P05114
Chromosome Location	21q22.3

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Pathway	Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; p38 MAPK Signaling Pathway, organism-specific biosystem;
Function	DNA binding;

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