Recombinant Human HIST1H2AC 293 Cell Lysate

Cat. No. HIST1H2AC-5548HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for histone cluster 1, H2ac (HIST1H2AC) 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	HIST1H2AC histone cluster 1, H2ac [Homo sapiens]
Official Symbol	HIST1H2AC
Synonyms	HIST1H2AC; histone cluster 1, H2ac; H2A histone family, member L , H2AFL, histone 1, H2ac; histone H2A type 1-C; histone H2AC; histone H2A/l; histone 1, H2ac; H2A histone family, member L; H2A/l; H2AFL; dJ221C16.4; MGC99519;
Gene ID	8334
mRNA Refseq	NM_003512
Protein Refseq	NP_003503
MIM	602794
UniProt ID	Q93077
Chromosome Location	6p22.1
Pathway	Amyloids, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; Disease, organism-specific biosystem; Gene Expression, organism-specific biosystem;

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	Meiosis, organism-specific biosystem;
Function	DNA binding;

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