Recombinant Human HIST1H4A 293 Cell Lysate

Cat. No. HIST1H4A-5527HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for histone cluster 1, H4a (HIST1H4A) 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	HIST1H4A histone cluster 1, H4a [Homo sapiens]
Official Symbol	HIST1H4A
Synonyms	H4FA; histone H4; histone 1, H4a; H4 histone family, member A
Gene ID	8359
mRNA Refseq	NM_003538
Protein Refseq	NP_003529
MIM	602822
UniProt ID	P62805
Chromosome Location	6p22.1
Pathway	Alcoholism, organism-specific biosystem; Cellular Senescence, organism-specific biosystem; Deposition of new CENPA-containing nucleosomes at the centromere, organism-specific biosystem

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