Recombinant Human HIST1H1E 293 Cell Lysate

Cat. No. HIST1H1E-5551HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for histone cluster 1, H1e (HIST1H1E) 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	HIST1H1E histone cluster 1, H1e [Homo sapiens]
Official Symbol	HIST1H1E
Synonyms	HIST1H1E; histone cluster 1, H1e; H1 histone family, member 4 , H1F4, histone 1, H1e; histone H1.4; H1.4; H1e; H1s 4; histone H1b; histone 1, H1e; H1 histone family, member 4; H1E; H1F4; dJ221C16.5; MGC116819;
Gene ID	3008
mRNA Refseq	NM_005321
Protein Refseq	NP_005312
MIM	142220
UniProt ID	P10412
Chromosome Location	6p22.1
Pathway	Activation of DNA fragmentation factor, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis induced DNA fragmentation, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Signaling events mediated by HDAC Class III, organism-specific biosystem;

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Function	DNA binding; protein binding;

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