

Recombinant Human HIST1H1E 293 Cell Lysate

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

SPECIFICATION

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.
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

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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;
Function	DNA binding; protein binding;

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