

Recombinant Human HIST1H3F 293 Cell Lysate

Cat. No. HIST1H3F-5530HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for histone cluster 1, H3f (HIST1H3F) 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	HIST1H3F histone cluster 1, H3f [Homo sapiens]
Official Symbol	HIST1H3F
Synonyms	H3/i; H3FI; histone H3.1; histone H3/I; histone 1, H3f; H3 histone family, member I
Gene ID	8968
mRNA Refseq	NM_021018
Protein Refseq	NP_066298
MIM	602816
UniProt ID	P68431
Chromosome Location	6p22.2
Pathway	Alcoholism, conserved biosystem; Chromatin organization, organism-specific biosystem; Epigenetic regulation of gene expression, organism-specific biosystem
Function	DNA binding; protein binding; protein heterodimerization activity

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