

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/I; histone 1, H2ac; H2A histone family, member L; H2A/I; 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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