

Recombinant Human HDAC5 293 Cell Lysate

Cat. No. HDAC5-5604HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for histone deacetylase 5 (HDAC5), transcript variant 1 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

[HDAC5 histone deacetylase 5 \[Homo sapiens \]](#)

Official Symbol

HDAC5

Synonyms

HDAC5; histone deacetylase 5; FLJ90614; KIAA0600; NY CO 9; antigen NY-CO-9; HD5; NY-CO-9;

Gene ID

[10014](#)

mRNA Refseq

[NM_001015053](#)

Protein Refseq

[NP_001015053](#)

MIM

[605315](#)

UniProt ID

[Q9UQL6](#)

**Chromosome
Location**

17q21

Pathway

B Cell Receptor Signaling Pathway, organism-specific biosystem; Cell cycle, organism-specific biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem; NOTCH1 Intracellular Domain Regulates Transcription, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by NOTCH, organism-specific biosystem; Signaling by NOTCH1, organism-specific

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biosystem;

Function

NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-K16 specific); histone deacetylase activity; histone deacetylase activity (H3-K16 specific); hydrolase activity; protein binding; protein kinase C binding; repressing transcription factor binding; transcription factor binding; contributes_to transcription regulatory region DNA binding;

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