Recombinant Human HDAC1 293 Cell Lysate

Cat. No. HDAC1-5608HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for histone deacetylase 1 (HDAC1) 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	HDAC1 histone deacetylase 1 [Homo sapiens]
Official Symbol	HDAC1
Synonyms	HDAC1; histone deacetylase 1; RPD3L1; GON 10; HD1; reduced potassium dependency, yeast homolog-like 1; RPD3; GON-10; DKFZp686H12203;
Gene ID	3065
mRNA Refseq	NM_004964
Protein Refseq	NP_004955
MIM	601241
UniProt ID	Q13547
Chromosome Location	1p34
Pathway	Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem;

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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); RNA polymerase II transcription corepressor activity; activating transcription factor binding; core promoter binding; enzyme binding; histone deacetylase activity; histone deacetylase activity; histone deacetylase activity; histone deacetylase activity (H3-K16 specific); histone deacetylase binding; hydrolase activity; protein binding; protein deacetylase activity; protein deacetylase activity; sequence-specific DNA binding transcription factor activity; transcription factor binding; transcription factor binding;

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