

Recombinant Human HDAC2

Cat. No. HDAC2-28264TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human HDAC2 with a C-terminal proprietary tag. Expressed by baculovirus in Sf9 insect cells. Genbank Number:
Species	Human
Source	Insect Cells
ProteinLength	488 amino acids
Description	This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events. Alternative splicing results in multiple transcript variants.
Molecular Weight	92.000kDa inclusive of tags
Tissue specificity	Widely expressed; lower levels in brain and lung.
Form	Liquid
Purity	by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the histone deacetylase family. HD type 1 subfamily.
GENE INFORMATION	
Gene Name	HDAC2 histone deacetylase 2 [Homo sapiens]
Official Symbol	HDAC2
Synonyms	HDAC2; histone deacetylase 2; RPD3; YAF1;
Gene ID	3066
mRNA Refseq	NM_001527
Protein Refseq	NP_001518
MIM	605164
Uniprot ID	Q92769
Chromosome Location	6q21
Pathway	Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Chronic myeloid leukemia, organism-specific biosystem;

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Chronic myeloid leukemia, conserved 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); chromatin binding; enzyme binding;

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