

## Recombinant Human HDAC2 Protein, His-tagged

**Cat. No.** HDAC2-4642H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human HDAC2 (NP_001518, 1 a.a. - 488 a.a.) full-length recombinant protein with His tag expressed in Hi-5 cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	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 on the N-terminal region of the core histones (H2A, H2B, H3 and H4). This protein also 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. [provided by RefSeq]
<b>Form</b>	Liquid
<b>Molecular Mass</b>	56.4 kDa
<b>AA Sequence</b>	MAYSQGGGKKKVCYYYDGDIGNYYYYGQGHPMKPHRIRMTHNLLLNYGLYRKMEIY RPHKATAEEMTKYHSDEYIKFLRSIRPDNMSEYSKQMQRFNVGEDCPVFDGLFEFC QLSTGGSVAGAVKLNRRQQTDMAVNWAGGLHHAKKSEASGFCYVNDIVLAILELLKY HQRVLYIDIDIHHGDGVEEAFYTTDRVMTVSFHKYGEYFPGTGDLRDIGAGKGGKYA VNFPMRDGIDDESYGQIFKPIISKVMEMYQPSAVVLQCGADSLSGDRLGCFNLTVKG HAKCVEVVKTFNLPLLMLGGGGYTIRNVARCWYETAVALDCEIPNELPYNDYFEYF

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GPDFKLHISPSNMTNQNTPEYMEKIKQRLFENLRMLPHAPGVQMQAIPEDAVHEDS  
 GDEDGEDPDKRISIRASDKRIACDEEFSDSEDEGEGGRRNVADHKKGAKKARIEED  
 KKETEDKKTDVKEEDKSKDNSGEKTDTKGTKSEQLSNPSRHHHHHH

**Purity** > 85% by SDS-PAGE

**Applications** SDS-PAGE

**Storage** Store at 4 centigrade for 1-2 weeks. For long term storage store at -2 centigrade or -8 centigrade. Aliquot to avoid repeated freezing and thawing.

**Concentration** 0.25 mg/mL

**Storage Buffer** In 20 mM Tris-HCl, 100 mM NaCl, 0.1 mM PMSF, pH 8.0 (20% glycerol, 1 mM dithiothreitol)

## GENE INFORMATION

**Gene Name** [HDAC2 histone deacetylase 2 \[ Homo sapiens \]](#)

**Official Symbol** [HDAC2](#)

**Synonyms** HDAC2; histone deacetylase 2; RPD3; YAF1; YY1-associated factor 1; transcriptional regulator homolog RPD3; HD2;

**Gene ID** [3066](#)

**mRNA Refseq** [NM\\_001527](#)

**Protein Refseq** [NP\\_001518](#)

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<b>MIM</b>	605164
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<b>UniProt ID</b>	Q92769
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