

Recombinant Human HDAC2 Protein, His-tagged

Cat. No. HDAC2-47H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HDAC2 protein with a C-terminal His-tag was expressed in baculovirus expression vector system.
Species	Human
Source	Insect Cells
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 Mass	56 kDa
Purity	≥90% estimated by SDS-PAGE
Unit Definition	One unit is the amount of enzyme required to release 1 pmol of acetate per minute at 37 centigrade in 25 mM Tris-HCl, pH 8.0, with 137 mM sodium chloride, 2.7 mM potassium chloride, 1 mM magnesium chloride, 0.1 mg/mL BSA, and 20 μM fluorogenic HDAC substrate 3.

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Applications	Enzyme Activity, WB, ELISA
Stability	≥ 6 months
Storage	Store it at -80 centigrade
Storage Buffer	40 mM Tris-HCl, pH 8.0, with 110 mM sodium chloride, 2.2 mM potassium chloride, 20% glycerol, and 200 mM imidazole

GENE INFORMATION

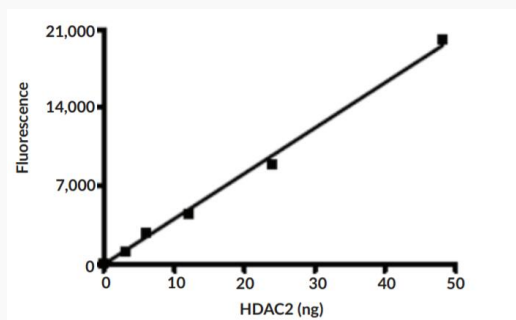
Gene Name	HDAC2 histone deacetylase 2 [Homo sapiens (human)]
Official Symbol	HDAC2
Synonyms	HDAC2; histone deacetylase 2; HD2; RPD3; YAF1; KDAC2; histone deacetylase 2; YY1-associated factor 1; transcriptional regulator homolog RPD3
Gene ID	3066
mRNA Refseq	NM_001527
Protein Refseq	NP_001518
MIM	605164
UniProt ID	Q92769

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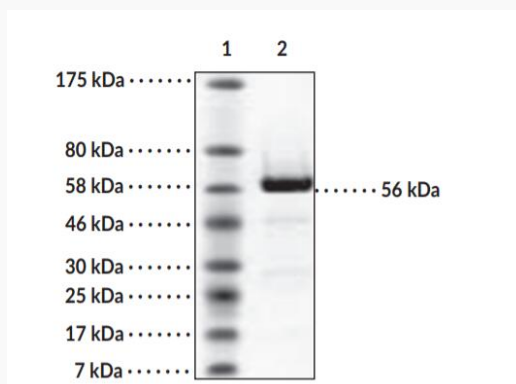
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HDAC2 Deacetylase Activity



SDS-PAGE Analysis of HDAC2



Lane 1: MW Markers; Lane 2: HDAC2 (7 µg). Representative gel image shown; actual purity may vary between each batch.