

Recombinant Human Histone Deacetylase 2, GST-tagged

Cat. No. HDAC2-1590H Lot. No. (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human HDAC2 was expressed by baculovirus in Sf9 insect cells using a C-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	HDAC2 or Histone deacetylase 2 belongs to the histone deacetylase family that acts via the formation of large multiprotein complexes, and is responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). HDAC2 forms transcriptional repressor complexes by associating with many different proteins and plays an important role in transcriptional regulation, cell cycle progression and developmental events.
Applications	HDAC Assay; Western Blot
Molecular Weight	92 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
Purity	>70%

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Concentration	0.1 ug/ul
Specific Activity	4180 RLU/min/ng
Sequences	Full length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Pathways	Cell cycle; Chronic myeloid leukemia; Direct p53 effectors; Glucocorticoid receptor regulatory network; Hedgehog signaling events mediated by Gli proteins; Hemostasis; Huntington's disease; Notch signaling pathway; Pathways in cancer; Regulation of Telomerase; Signaling events mediated by HDAC Class I; Signalling by NGF; TNF-alpha/NF-kB Signaling Pathway; p75 NTR receptor-mediated signaling; p75NTR negatively regulates cell cycle via SC1
GENE INFORMATION	
Gene Name	HDAC2 histone deacetylase 2 [Homo sapiens]
Official Symbol	HDAC2
Synonyms	HDAC2; histone deacetylase 2; HD2; RPD3; YAF1; histone deacetylase 2; OTTHUMP00000017046; OTTHUMP00000227077; OTTHUMP00000227078; YY1-associated factor 1; transcriptional regulator homolog RPD3
Gene ID	3066
mRNA Refseq	NM_001527

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Protein Refseq	NP_001518
MIM	605164
UniProt ID	Q92769
Chromosome Location	6q21
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; transcription factor binding; chromatin binding; enzyme binding; protein deacetylase activity; protein deacetylase activity; sequence-specific DNA binding

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