Recombinant Human Histone Deacetylase 2, His-tagged

Cat. No. HDAC2-1699H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HDAC2 protein was expressed with c-terminal His-tag in high-5 cells using baculovirus expression system and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	HDAC2 belongs to the histone deacetylase family that 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. It forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. It also plays an important role in transcriptional regulation, cell cycle progression and developmental events.
Concentration	0.25 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 20% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF.
Purity	> 85% by SDS - PAGE
Sequence	1-488 amino acids: MAYSQGGGKK KVCYYYDGDI GNYYYGQGHP MKPHRIRMTH NLLLNYGLYR KMEIYRPHKA TAEEMTKYHS DEYIKFLRSI RPDNMSEYSK QMQRFNVGED CPVFDGLFEF CQLSTGGSVA GAVKLNRQQT DMAVNWAGGL

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	HHAKKSEASG FCYVNDIVLA ILELLKYHQR VLYIDIDIHH GDGVEEAFYT TDRVMTVSFH KYGEYFPGTG DLRDI
Molecular Mass	56.4 kDa (496aa)
Applications	SDS-PAGE
Storage	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or - 70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	HDAC2 histone deacetylase 2 [Homo sapiens]
Official Symbol	HDAC2
Synonyms	HDAC2; RPD3; YAF1; histone deacetylase 2; OTTHUMP00000040427; YY1-associated factor 1; transcriptional regulator homolog RPD3; EC 3.5.1.98; HD2
Gene ID	3066
mRNA Refseq	NM_001527
Protein Refseq	NP_001518
MIM	605164
UniProt ID	Q92769
Chromosome Location	6q21

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Pathway	Cell cycle; Chronic myeloid leukemia; Notch signaling pathway; Gene Expression; Signalling by NGF
Function	enzyme binding; histone deacetylase activity; hydrolase activity; specific transcriptional repressor activity; transcription activator activity; transcription factor activity; transcription factor binding

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