

Active Recombinant Human HDAC2, His-tagged

Cat. No. HDAC2-28263TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDAC2, a single, non-glycosylated polypeptide chain fused with His tag was expressed in Sf9 insect cells.
Species	Human
Source	Insect Cells
Description	HDAC2 is a member of the histone deacetylase family that performs through the construction of large multiprotein complexes and are in charge of the deacetylation of lysine residues on the N-terminal region of the core histones. HDAC2 forms transcriptional repressor complexes by relating to a diversity of proteins, like YY1- a mammalian zinc-finger transcription factor. Additionally, HDAC2 has a vital part in transcriptional regulation, cell cycle progression and developmental procedures.
Form	The HDAC2 solution contains 20 mM Tris-HCl buffer (pH 8.0), 300 mM NaCl and 20% Glycerol. Frozen solution.
Bio-activity	> 500 pmol/min/μg
Molecular Mass	56.2 kDa, observed by reducing SDS-PAGE.
AA Sequence	MAYSQGGGKK KVCYYYDGDI GNYYYGQGHP MKPHRIRMTHNLLLNYGLYR KMEIYRPHKA TAEEMTKYHS DEYIKFLRSIRPDNMSEYSK QMQRFNVGED CPVFDGLFEF CQLSTGGSVAGAVKLNRRQT DMAVNWAGGL HHAKKSEASG FCYVNDIVLAILELLKYHQR VLYIDIDIHH GDGVVEEAFYT

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TDRVMTVSFHKYGEYFPGTG DLRDIGAGKG KYAVNFPMR
 DGIDDESYGQIFKPIISKVM EMYQPSAVVL QCGADSLSGD
 RLGCFNLTVKGHAKCVEVVK TFNLPLLMLG GGGYTIRNVA
 RCWTYETAVALDCEIPNELP YNDYFEYFGP DFKLHISPSN
 MTNQNTPEYMEKIKQRLFEN LRMLPHAPGV QMQAIPEDAV
 HEDSGDEDEDGDPDKRISIRA SDKRIACDEE FSDSEDEGEG
 GRRNVADHKKGAKKARIEED KKETEDKKTD VKEEDKSKDN
 SGEKTDTKGTKSEQLSNPGH HHHHH

Endotoxin < 1 EU/μg, determined by LAL method.

Purity > 80% by SDS-PAGE analysis.

Usage For research use only

Storage HDAC2 remains stable up to 6 months at -80° from date of receipt. For maximum recovery of product, centrifuge original vial prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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

Official Symbol HDAC2

Synonyms HD2; RPD3; YAF1; histone deacetylase 2; 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
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Cell cycle, organism-specific biosystem
Function	Krueppel-associated box domain binding; NF-kappaB binding; core promoter binding

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