

Recombinant Human HDAC6

Cat. No. HDAC6-28922TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein (Human), N-Terminal Tag.
Species	Human
Description	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class II of the histone deacetylase/acuc/apha family. It contains an internal duplication of two catalytic domains which appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription.
Biological activity	Activity: 50 U/ug. One U =1 pmol/min, Assay condition: 25 mM Tris/Cl,pH8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl ₂ , and 0.1 mg/ml BSA, 30 uM Biomol substrate, and 5 ng/ul HDAC6. Incubation condition: 60 min at 30°C.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 50mM Tris HCl, 20mM Glutathione, 138mM Sodium chloride, pH 8
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the histone deacetylase family. HD type 2 subfamily.Contains 1 UBP-type zinc finger.

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Full Length
Full L.

GENE INFORMATION

Gene Name HDAC6 histone deacetylase 6 [Homo sapiens]

Official Symbol HDAC6

Synonyms HDAC6; histone deacetylase 6; FLJ16239; HD6; JM21; KIAA0901;

Gene ID 10013

mRNA Refseq NM_006044

Protein Refseq NP_006035

MIM 300272

Uniprot ID Q9UBN7

Chromosome Location Xp11.23

Pathway Cell cycle, organism-specific biosystem; Signaling events mediated by HDAC Class I, organism-specific biosystem; Signaling events mediated by HDAC Class II, organism-specific biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;

Function Hsp90 protein binding; NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-K16 specific); actin binding;

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