

Active Recombinant Human HDAC10 protein, GST/His-tagged

Cat. No. HDAC10-392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDAC10(a.a. 1-481) fused with N-terminal GST-tag and C-terminal His-tag was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-481 a.a.
Description	The protein encoded by this gene belongs to the histone deacetylase family, members of which deacetylate lysine residues on the N-terminal part of the core histones. Histone deacetylation modulates chromatin structure, and plays an important role in transcriptional regulation, cell cycle progression, and developmental events. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 16 mM glutathione, 20% glycerol
Bio-activity	≥4.4 pmol/min/μg.
Molecular Mass	78 kDa
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Storage	>6 months at -80 centigrade. Avoid freeze/thaw cycles.

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Concentration 0.11 mg/ml

GENE INFORMATION

Gene Name HDAC10 histone deacetylase 10 [Homo sapiens]

Official Symbol HDAC10

Synonyms HDAC10; histone deacetylase 10; DKFZP761B039; HD10; MGC149722; DKFZp761B039;

Gene ID 83933

mRNA Refseq NM_032019

Protein Refseq NP_114408

MIM 608544

UniProt ID Q969S8

Chromosome Location 22q13.31

Pathway NOTCH1 Intracellular Domain Regulates Transcription, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by NOTCH, organism-specific biosystem; Signaling by NOTCH1, organism-specific biosystem; Signaling events mediated by HDAC Class I, organism-specific biosystem; Signaling events mediated by HDAC Class II, organism-specific biosystem;

Function NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent

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histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-K16 specific); enzyme binding; histone deacetylase activity; histone deacetylase activity (H3-K16 specific); histone deacetylase binding; hydrolase activity; protein binding; protein deacetylase activity;

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