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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