

Active Recombinant Human HDAC10 protein, FLAG-tagged

Cat. No. HDAC10-393H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDAC10(a.a. 2-631) fused with FLAG tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	2-631 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	45 mM Tris-HCl, pH 8.0, 124 mM NaCl, 2.4 mM KCl, 0.05% Tween-20 and 10% glycerol.
Bio-activity	≥3.6 pmol/min/μg.
Molecular Mass	67 kDa
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage >6 months at -80 centigrade. Avoid freeze/thaw cycles.

Concentration 0.15 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;

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Function

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