

## Active Recombinant Human HDAC10, GST-tagged

Cat. No. HDAC10-1354H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human HDAC10 (1-482) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	1-482 aa
<b>Description</b>	HDAC10 belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. HDAC10 belongs to class II of the histone deacetylase family that catalyzes the deacetylation of lysine residues in the N-terminal tail of histones and represses transcription in large multiprotein complexes with transcriptional co-repressors. Therefore, HDAC10 plays a role in transcriptional repression. HDAC10 interacts with HDAC3 in co-transfected embryonic kidney cells. Deletion analysis indicates that both the N- and C-terminal domains of HDAC10 bound HDAC3 independently.
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
<b>Bio-activity</b>	120 RLU/min/ng
<b>Molecular Mass</b>	~77 kDa

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Purity</b>	>80%
<b>Applications</b>	HDAC Assay, Western Blot
<b>Storage</b>	Store at $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.1 $\mu\text{g}/\mu\text{l}$
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	HDAC10 histone deacetylase 10 [ Homo sapiens ]
<b>Official Symbol</b>	HDAC10
<b>Synonyms</b>	HDAC10; histone deacetylase 10; DKFZP761B039; HD10; MGC149722; DKFZp761B039;
<b>Gene ID</b>	83933
<b>mRNA Refseq</b>	NM_001159286
<b>Protein Refseq</b>	NP_001152758
<b>MIM</b>	608544
<b>UniProt ID</b>	Q969S8
<b>Chromosome Location</b>	22q13.31
<b>Pathway</b>	NOTCH1 Intracellular Domain Regulates Transcription, organism-specific biosystem;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



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 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;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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