

# Active Recombinant Full Length Human Histone Deacetylase 8, His-tagged

Cat. No. HDAC8-1595H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Full-length recombinant human HDAC8 was expressed by baculovirus in Sf9 insect cells using a C-terminal His tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	1-377aa
<b>Description</b>	HDAC8 or Histone deacetylase 8 belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. The protein encoded by this gene belongs to class I of the histone deacetylase family that catalyzes the deacetylation of lysine residues in the histone N-terminal tails and represses transcription in large multiprotein complexes with transcriptional co-repressors.
<b>Applications</b>	HDAC Assay; Western Blot
<b>Molecular Weight</b>	47 kDa
<b>Expression System</b>	Sf9 insect cells using baculovirus
<b>Form</b>	Recombinant protein stored in 50 mM MOPS, PH 7.0, 300 mM NaCl, 150 mM imidazole, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.

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<b>Purity</b>	>90%
<b>Concentration</b>	0.05 ug/ul
<b>Specific Activity</b>	1400 RLU/min/ng
<b>Sequences</b>	Full length
<b>Storage</b>	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Pathways</b>	Signaling events mediated by HDAC Class I; Signaling events mediated by HDAC Class I

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">HDAC8 histone deacetylase 8 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">HDAC8</a>
<b>Synonyms</b>	HDAC8; histone deacetylase 8; HD8; RPD3; CDA07; HDACL1; histone deacetylase 8; OTTHUMP00000023539; OTTHUMP00000023540; OTTHUMP00000023541; OTTHUMP00000023542; OTTHUMP00000023543; OTTHUMP00000023544; OTTHUMP00000023545; OTTHUMP00000023546; OTTHUMP00000023549; histone deacetylase-like 1
<b>Gene ID</b>	<a href="#">55869</a>
<b>mRNA Refseq</b>	<a href="#">NM_001166418</a>

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<b>Protein Refseq</b>	NP_001159890
<b>MIM</b>	300269
<b>UniProt ID</b>	Q9BY41
<b>Chromosome Location</b>	Xq13
<b>Function</b>	NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-K16 specific); histone deacetylase activity (H3-K16 specific); hydrolase activity; transcription factor binding; metal ion binding; histone deacetylase activity

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