

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

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

SPECIFICATION

Product Overview	Full-length recombinant human HDAC8 was expressed by baculovirus in Sf9 insect cells using a C-terminal His tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-377aa
Description	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.
Applications	HDAC Assay; Western Blot
Molecular Weight	47 kDa
Expression System	Sf9 insect cells using baculovirus
Form	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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Purity	>90%
Concentration	0.05 ug/ul
Specific Activity	1400 RLU/min/ng
Sequences	Full length
Storage	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.
Pathways	Signaling events mediated by HDAC Class I; Signaling events mediated by HDAC Class I

GENE INFORMATION

Gene Name	HDAC8 histone deacetylase 8 [Homo sapiens]
Official Symbol	HDAC8
Synonyms	HDAC8; histone deacetylase 8; HD8; RPD3; CDA07; HDACL1; histone deacetylase 8; OTTHUMP00000023539; OTTHUMP00000023540; OTTHUMP00000023541; OTTHUMP00000023542; OTTHUMP00000023543; OTTHUMP00000023544; OTTHUMP00000023545; OTTHUMP00000023546; OTTHUMP00000023549; histone deacetylase-like 1
Gene ID	55869
mRNA Refseq	NM_001166418

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Protein Refseq	NP_001159890
MIM	300269
UniProt ID	Q9BY41
Chromosome Location	Xq13
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); histone deacetylase activity (H3-K16 specific); hydrolase activity; transcription factor binding; metal ion binding; histone deacetylase activity
PDBrendering based on 1t64.	