

Recombinant Human Histone Deacetylase 9, His-tagged

Cat. No. HDAC9-1596H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HDAC9 (548-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	548-end a.a.
Description	HDAC9 or MIRT belongs to the histone deacetylase /acuc/apha family and is a component of the histone deacetylase complex. HDAC9 gene is orthologous to the Xenopus and mouse MITR genes (MEF2-interacting transcription repressor). HDAC9 represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. HDAC9 is a calcium-sensitive transcriptional repressor of MEF2.
Applications	HDAC Assay; Western Blot
Molecular Weight	77 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, PH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.

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Purity	>80%
Concentration	0.1 ug/ul
Specific Activity	235 RLU/min/ng
Sequences	548-end
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	MicroRNAs in cardiomyocyte hypertrophy; Signaling events mediated by HDAC Class I; Signaling events mediated by HDAC Class II

GENE INFORMATION

Gene Name	HDAC9 histone deacetylase 9 [Homo sapiens]
Official Symbol	HDAC9
Synonyms	HDAC9; histone deacetylase 9; HD7; HD9; HD7b; HDAC; HDRP; MITR; HDAC7; HDAC7B; HDAC9B; HDAC9FL; KIAA0744; DKFZp779K1053; histone deacetylase 9; OTTHUMP00000201766; OTTHUMP00000201767; OTTHUMP00000201768; OTTHUMP00000201895; OTTHUMP00000201926; OTTHUMP00000201927; OTTHUMP00000225210; OTTHUMP00000225211; OTTHUMP00000225262; OTTHUMP00000231731; histone deacetylase 7B; histone deacetylase 4/5-related protein; MEF-2 interacting transcription repressor (MITR) protein
Gene ID	9734

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mRNA Refseq	NM_178423
Protein Refseq	NP_848510
MIM	606543
UniProt ID	Q9UKV0
Chromosome Location	7p21
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; histone deacetylase binding; protein binding; protein deacetylase activity; protein kinase C binding; repressing transcription factor binding; NOT histone deacetylase activity; protein kinase C binding; transcription corepressor activity; histone deacetylase activity

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