

Recombinant Human HDAC9 Protein, His-tagged

Cat. No. HDAC9-160H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDAC9 Protein with a C-terminal His tag was expressed in baculovirus expression system.
Species	Human
Source	Insect Cells
Description	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined.
Molecular Mass	50.7 kDa
Purity	≥75% estimated by SDS-PAGE
Unit Definition	One unit is the amount of enzyme required to release 1 pmol of acetate per minute at 37 centigrade in 25 mM Tris-HCl, pH 8.0, 137 mM sodium chloride, 2.7 mM potassium chloride, 1 mM magnesium chloride, 0.1 mg/mL BSA, and 20

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μM fluorogenic HDAC class 2a substrate.

Storage Buffer

40 mM Tris-HCl, pH 8.0, with 110 mM sodium chloride, 2.2 mM potassium chloride, 20% glycerol, and 200 mM imidazole

GENE INFORMATION

Gene Name

HDAC9 histone deacetylase 9 [Homo sapiens (human)]

Official Symbol

HDAC9

Synonyms

HDAC9; histone deacetylase 9; HD7; HD9; HD7b; HDAC; HDRP; MITR; HDAC7; HDAC7B; HDAC9B; HDAC9FL; histone deacetylase 9; MEF-2 interacting transcription repressor (MITR) protein; histone deacetylase 4/5-related protein; histone deacetylase 7B; EC 3.5.1.98

Gene ID

9734

mRNA Refseq

NM_001204144

Protein Refseq

NP_001191073

MIM

606543

UniProt ID

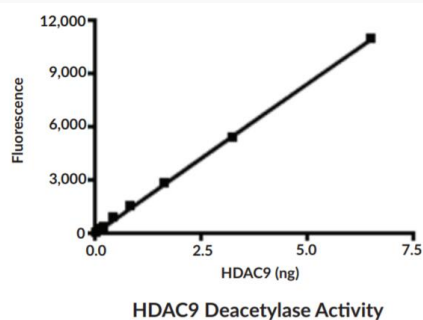
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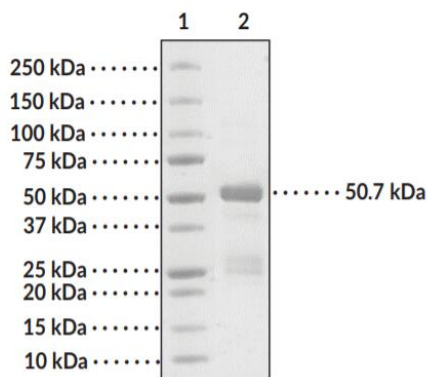
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HDAC9 Specific Activity



SDS-PAGE Analysis of HDAC9



Lane 1: MW Markers

Lane 2: HDAC9(3.15 µg)