

# Recombinant Human HDAC9 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** HDAC9-3234H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	HDAC9 MS Standard C13 and N15-labeled recombinant protein (NP_055522) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	65.7 kDa
<b>AA Sequence</b>	<p>MHSMISSVDVKSEVPVVGLEPISPLDLRDLRMMMPVVDPPVREKQLQQELLLIQQQ            QQIQKQLLIAEFQKQHENLTRQHQAQLQEHIKELLAIKQQQELLEKEQKLEQQRQEQ            EVERHRREQQLPPLRGKDRGRERAVASTEVKQKLQEFLLSKSATKDTPTNGKNHSV</p>

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SRHPKLWYTAAHHTSLDQSSPPLSGTSPSYKYTLPGAQDAKDDFPLRKTASEPNLK  
 VRSRLKQKVAERRSSPLLRRKDGNVVTSFKKRMFEVTESSVSSSSSPGSGPSSPNN  
 GPTGSVTENETSVLPPTPHAEQMVSQQRILIHEDSMNLLSLYTSPSLPNITLGLPAVP  
 SQLNASNSLKEKQKCETQTLRQGVPLPGQYGGSSIPASSSHPHVTLEGKPPNSSHQA  
 LLQHLLLKEQMRQQKLLVAGGVPLHPQSPLATKERISPGIRGTHKLPRHRPLNRTQS  
 APLPQSTLAQLVIQQHQHFLEKQKQYQQQIHMNKLLSKSIEQLKQPGSHLEEAEEE  
 LQGDQAMQEDRAPSSGNSTRSDSSACVDDTLGQVGAVKVKEEPVDSDEDAQIQE  
 MESGEQAAFMMQQVIGKDLAPGFVIKVIITRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	HDAC9 histone deacetylase 9 [ Homo sapiens (human) ]
<b>Official Symbol</b>	HDAC9
<b>Synonyms</b>	HDAC9; histone deacetylase 9; HD7; HDAC; HDAC7B; KIAA0744; MITR; histone deacetylase 7B; histone deacetylase 4/5-related protein; MEF-2 interacting transcription repressor (MITR) protein; HD9; HD7b; HDRP; HDAC7; HDAC9B; HDAC9FL; DKFZp779K1053;

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**Gene ID** 9734

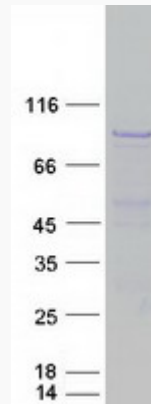
**mRNA Refseq** NM\_014707

**Protein Refseq** NP\_055522

**MIM** 606543

**UniProt ID** Q9UKV0

**SDS-PAGE**



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