

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

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

SPECIFICATION

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

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SRHPKLWYTAAHHTSLDQSSPPLSGTSPSYKYTLPGAQDAKDDFPLRKTASEPNLK
 VRSRLKQKVAERRSSPLLRRKDGNVVTSFKKRMFEVTESSVSSSSPGSGPSSPNN
 GPTGSVTENETSVLPPTPHAEQMVSQQRILIHEDSMNLLSLYTSPSLPNITLGLPAVP
 SQLNASNSLKEKQKCETQTLRQGVPLPGQYGGSSIPASSSHPHVTLEGKPPNSSHQA
 LLQHLLLKEQMRQQKLLVAGGVPLHPQSPLATKERISPGIRGTHKLPRHRPLNRTQS
 APLPQSTLAQLVIQQHQHFLEKQKQYQQQIHMNKLLSKSIEQLKQPGSHLEEAEEE
 LQGDQAMQEDRAPSSGNSTRSDSSACVDDTLGQVGAVKVKEEPVDSDEDAQIQE
 MESGEQAAFMQQVIGKDLAPGFVIKVITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

GENE INFORMATION

Gene Name	HDAC9 histone deacetylase 9 [Homo sapiens (human)]
Official Symbol	HDAC9
Synonyms	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;

Gene ID	9734
mRNA Refseq	NM_014707
Protein Refseq	NP_055522
MIM	606543
UniProt ID	Q9UKV0
SDS-PAGE	